

Service Manual

PIONEER®
The Art of Entertainment

ORDER NO.
CRT2116

MULTI-CD CONTROL HIGH POWER CASSETTE PLAYER WITH RDS TUNER

KEH-P6600RS **EW**

- This additional service manual is designed to be used together with Model KEH-P6600R/EW Service Manual CRT2021. Refer to it for finding parts numbers and adjustment, etc. which are not shown in this manual.

EXPLODED VIEWS AND PARTS LIST

PACKING

● Parts List(Page 2)

Mark	No.	Description	Part No.	
			KEH-P6600R/EW	KEH-P6600RS/EW
	1	Carton	CHG3340	CHG3462
	2-2	Installation Manual	CRD2367	CRD2619
	9	Contain Box	CHL3340	CHL3462

PACKING

● Parts List(Page 5)

Mark	No.	Description	Part No.	
			KEH-P6600R/EW	KEH-P6600RS/EW
	10	Panel	CNS4447	CNS4553
	40	Chassis Unit	CXB1210	CXB2407
	42	Detatch Grille Assy	CXB1444	CXB2396
	47	Button(1-6)	CAC5083	CAC5382
	50	Button(Vol-,Vol+)	CAC5086	CAC5380
	51	Button(▲,▼)	CAC5087	CAC5203
	52	Button(◀,▶)	CAC5088	CAC5204
	53	Button(SOURCE)	CAC5089	CAC5207
	65	Grille Unit	CXB1191	CXB2405
	66	Cover Unit	CXB1201	CXB1203
	67	Panel Assy	CXB1453	CXB2397
	79	Panel	CNS4432	CNS4435

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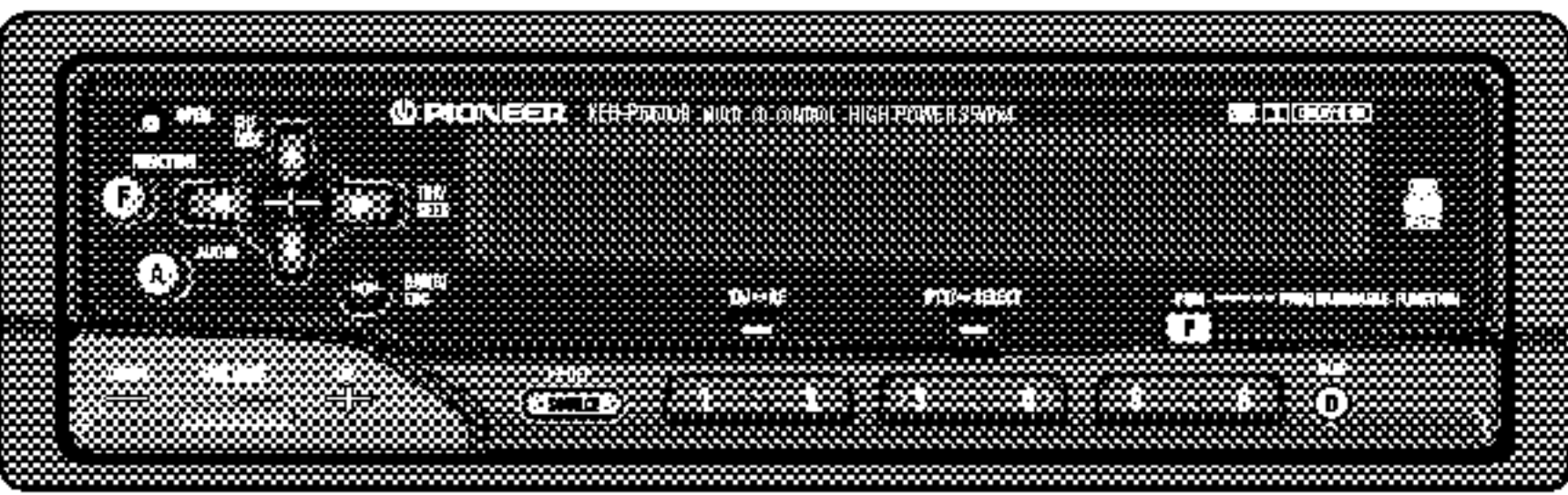
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KEH-P6600R/EW



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MULTI-CD CONTROL HIGH POWER CASSETTE PLAYER WITH RDS TUNER

KEH-P6600R EW

MULTI-CD CONTROL CASSETTE PLAYER WITH RDS TUNER

KEX-P66R EW

NOTE:

- See the separate manual CX-631(CRT1640) for the cassette mechanism description.
- The cassette mechanism assy employed in this model is one of X-2L series
- Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.
"Dolby" and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation.
- This service manual does not describe the CD test mode.
For the operations in the CD test mode, refer to the CD player's Service Manual.

CONTENTS

1. SAFETY INFORMATION	1	7. GENERAL INFORMATION	41
2. EXPLODED VIEWS AND PARTS LIST	2	7.1 PARTS	41
3. SCHEMATIC DIAGRAM	10	7.1.1 IC	41
4. PCB CONNECTION DIAGRAM	22	7.1.2 DISPLAY	46
5. ELECTRICAL PARTS LIST	32	7.2 DISASSEMBLY	47
6. ADJUSTMENT	39	7.3 BLOCK DIAGRAM	48
		8. OPERATIONS AND SPECIFICATIONS	50

1. SAFETY INFORMATION

This service manual is intended for qualified service technicians; it is not meant for the casual do-it-yourselfer. Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safely repair complex products such as those covered by this manual. Improperly performed repairs can adversely affect the safety and reliability of the product and may void the warranty. If you are not qualified to perform the repair of this product properly and safely, you should not risk trying to do so and refer the repair to a qualified service technician.

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2. EXPLODED VIEWS AND PARTS LIST

2.1 PACKING

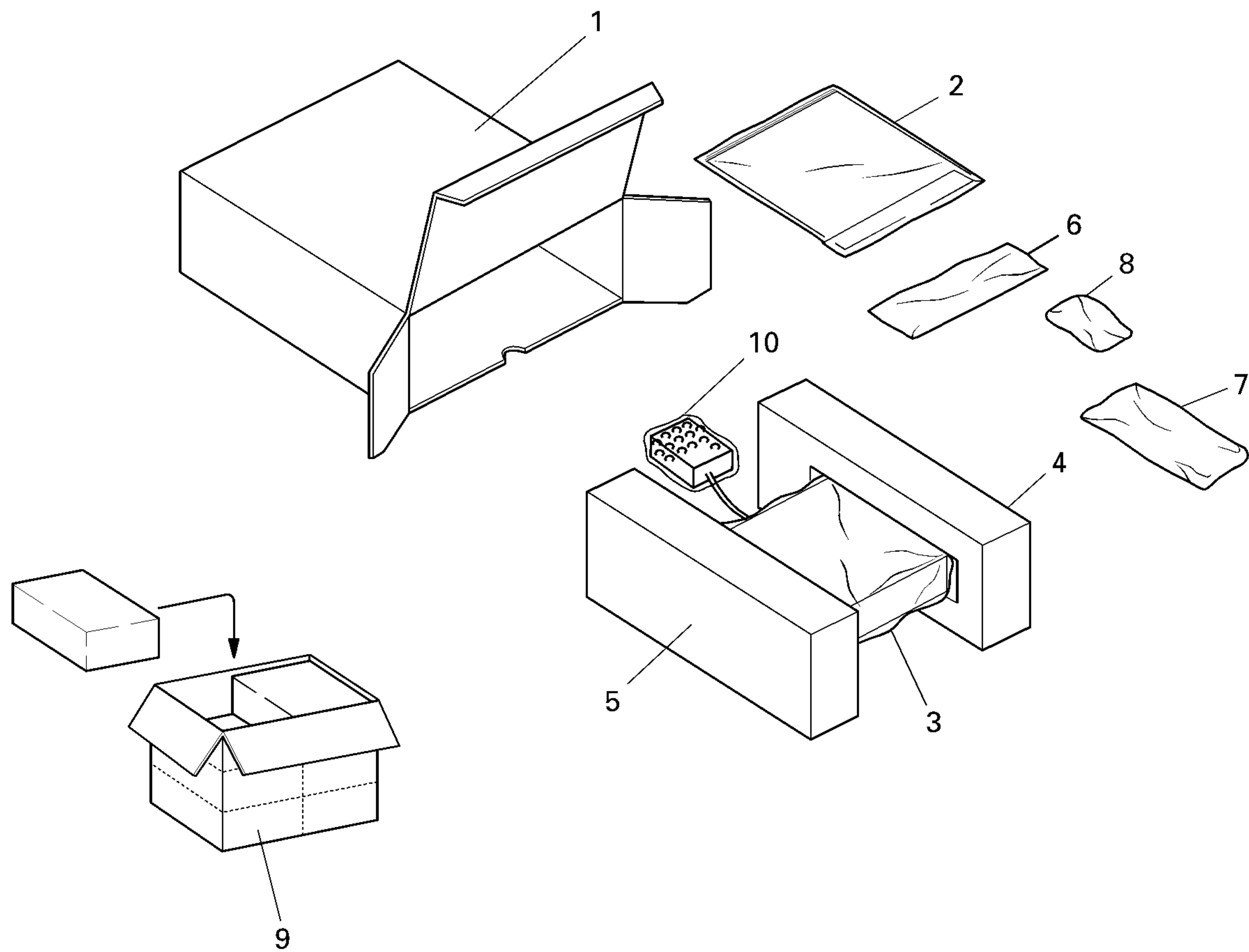


Fig. 1

NOTE:

- Parts marked by " *" are generally unavailable because they are not in our Master Spare Parts List.
- Screws adjacent to ▼ mark on the product are used for disassembly.

● Parts List

Mark No. Description	Part No.	
	KEH-P6600R/EW	KEX-P66R/EW
1 Carton	CHG3340	CHG3296
2-1 Owner's Manual	CRD2364	CRD2364
2-2 Installation Manual	CRD2367	CRD2378
2-3 Owner's Manual	CRD2366	CRD2366
2-4 Owner's Manual	CRD2365	CRD2365
* 2-5 Warranty Card	CRY1087	CRY1087
2-6 Passport	CRY1013	CRY1013
2-7 Polyethylene Bag	CEG1116	CEG1116
3 Polyethylene Bag	CEG-162	CEG-162
4 Protector	CHP1687	CHP1687
5 Protector	CHP1688	CHP1688
6 Case Assy	CXA7194	CXA7194
7 Cord Assy	CDE5320	CDE5321
8 Accessory Assy	CEA2065	CEA2065
9 Contain Box	CHL3340	CHL3296
10 Air Cushioned Bag	CEG1192	CEG1192

● **Owner's Manual, Installation Manual**

Part No.	Language
CRD2364	English, Spanish
CRD2365	German, French
CRD2366	Italian, Dutch
CRD2367	English, Spanish, German, French
CRD2378	Italian, Dutch

● **Accessory Assy**

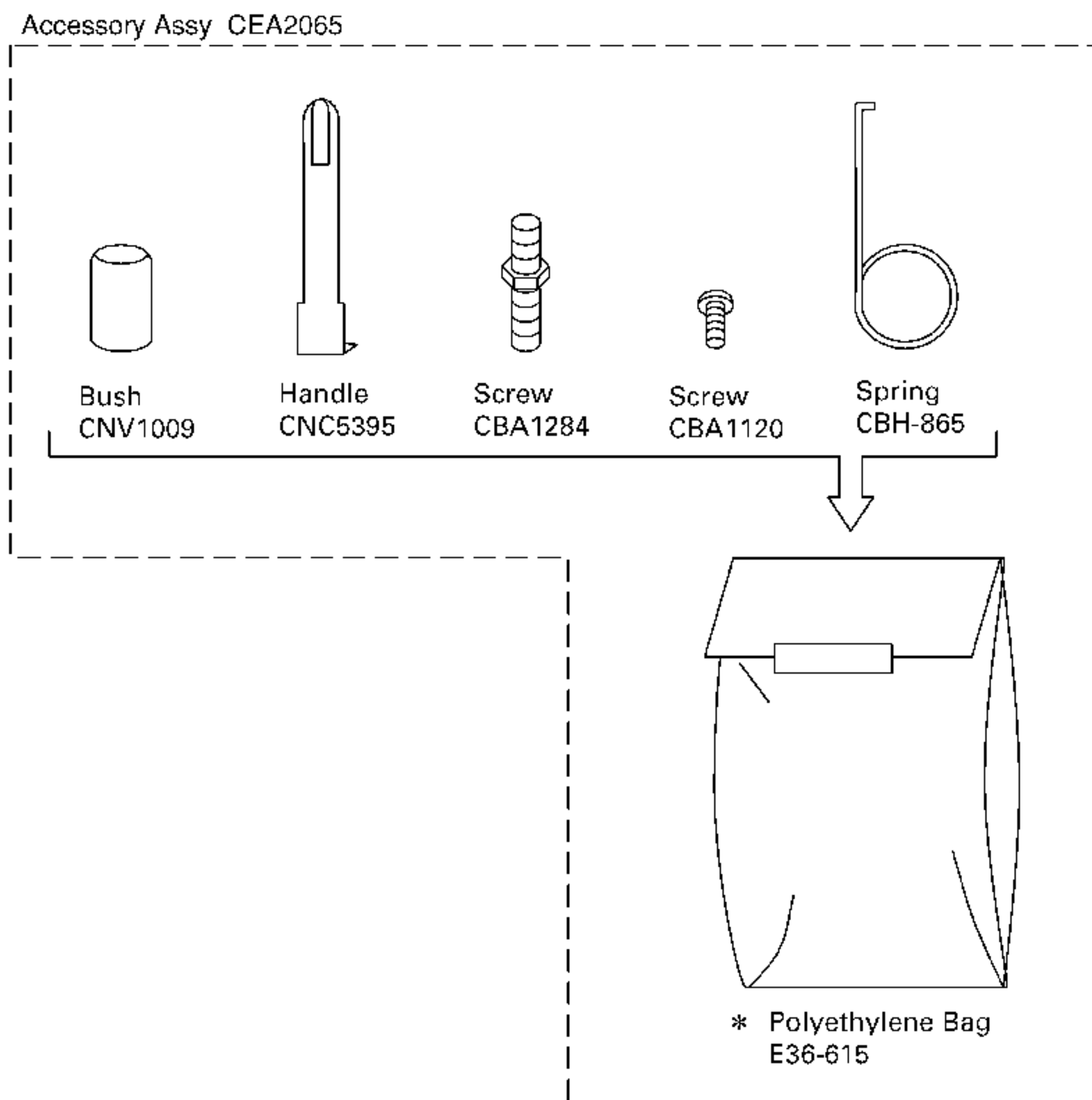


Fig. 2

2.2 EXTERIOR

● KEH-P6600R/EW

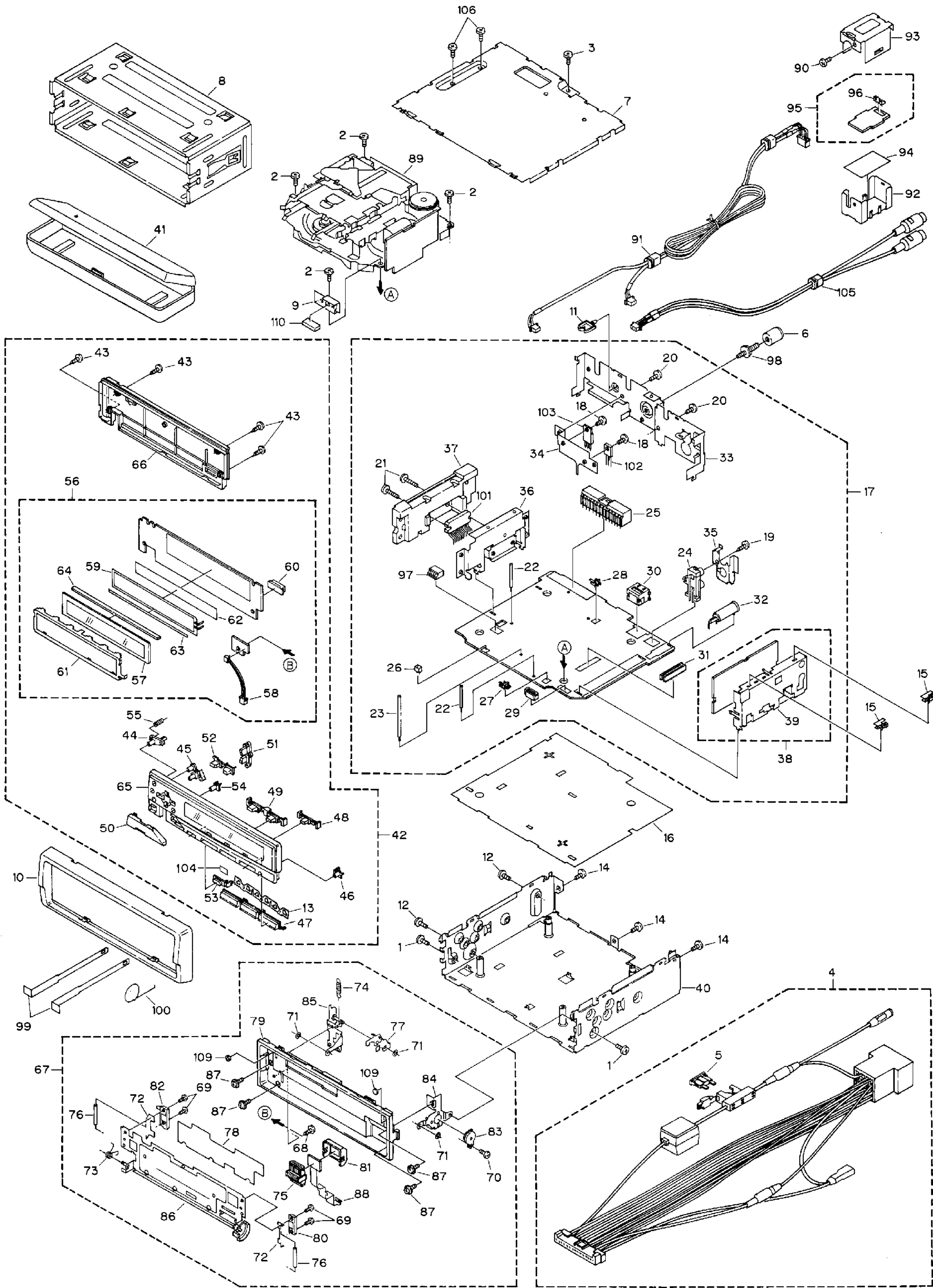


Fig. 3

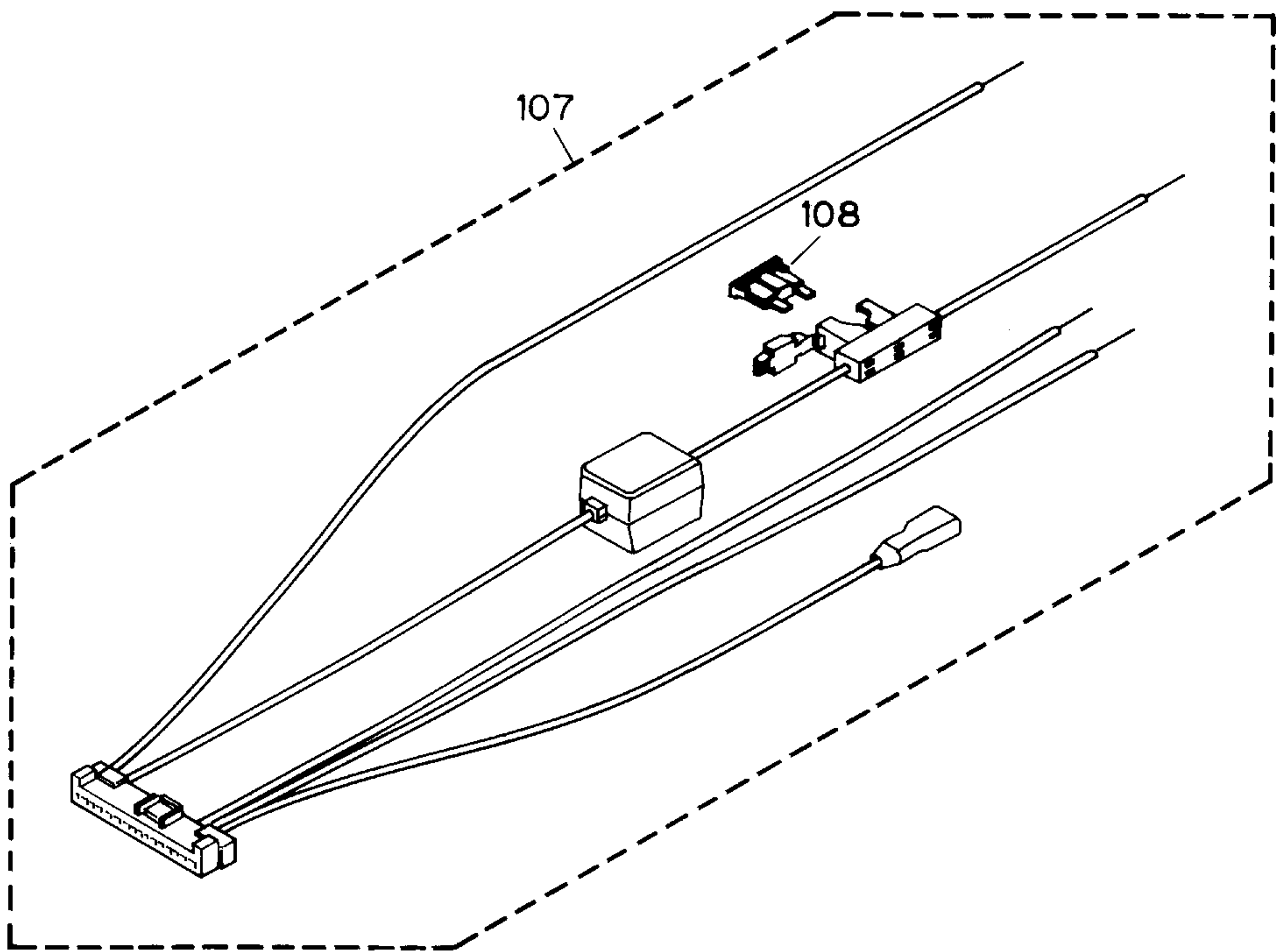


Fig. 4

● Parts List

Mark No.	Description	Part No.	
		KEH-P6600R/EW	KEX-P66R/EW
1	Screw	BMZ30P040FMC	BMZ30P040FMC
2	Screw	BSZ26P050FMC	BSZ26P050FMC
3	Screw	BSZ30P050FMC	BSZ30P050FMC
4	Cord Assy	CDE5320	.....
5	Fuse(10A)	CEK1136	.....
6	Bush	CNV1009	CNV1009
7	Case	CNB2224	CNB2201
8	Holder	CNC6798	CNC6798
9	Shield	CNC7365	CNC7365
10	Panel	CNS4447	CNS4553
11	Clamper	CNV1343	CNV1343
12	Screw	BMZ30P080FMC	.....
13	Spacer	CNM5524	CNM5524
14	Screw	BSZ30P050FMC	BSZ30P050FMC
15	Holder	CNC5704	CNC5704
16	Insulator	CNM5248	CNM5248
17	Tuner Amp Unit	CWM5318	CWM5442
18	Screw	BMZ26P060FMC	BMZ26P060FMC
19	Screw	BPZ26P060FMC	BPZ26P060FMC
20	Screw	BSZ26P050FMC	BSZ26P050FMC
21	Screw	BSZ26P140FMC	.....
22	Clamper	CEF1005	CEF1005
23	Clamper	CEF1009	CEF1009
24	Pin Jack(CN351)	CKB1028	CKB1033
25	Plug(CN601)	CKM1231	CKM1231

KEH-P6600R,KEX-P66R

Mark No.	Description	Part No.	
		KEH-P6600R/EW	KEX-P66R/EW
26	Plug(CN644)	CKS-783	CKS-783
27	Plug(CN641)	CKS1236	CKS1236
28	Plug(CN642)	CKS1236	CKS1236
29	Connector(CN643)	CKS1499	CKS1499
30	Connector(CN281)	CKS3408	CKS3408
31	Connector(CN671)	CKS3568	CKS3568
32	Antenna Jack(CN402)	CKX1056	CKX1056
33	Panel	CNB2168	CNB2167
34	Holder	CNC6420	CNC6420
35	Holder	CNC6531	CNC6531
36	Holder	CNC6674	.....
37	Heat Sink	CNR1426	.....
38	FM/AM Tuner Unit	CWE1416	CWE1416
39	Holder	CNC6555	CNC6555
40	Chassis Unit	CXB1210	CXB1461
41	Case Assy	CXA7194	CXA7194
42	Detach Grille Assy	CXB1444	CXB1446
43	Screw	BPZ20P080FZK	BPZ20P080FZK
44	Button(OPEN)	CAC4971	CAC4971
45	Button(F,A)	CAC4972	CAC4972
46	Button(D)	CAC5341	CAC5341
47	Button(1-6)	CAC5083	CAC5382
48	Button(PGM)	CAC5084	CAC5084
49	Button(PHY,TA)	CAC5085	CAC5085
50	Button(Vol+,Vol-)	CAC5086	CAC5380
51	Button(▲,▼)	CAC5087	CAC5203
52	Button(◀,▶)	CAC5088	CAC5204
53	Button(SOURCE)	CAC5089	CAC5207
54	Button(◁▷)	CAC5222	CAC5222
55	Spring	CBH1844	CBH1844
56	Keyboard Unit	CWM5348	CWM5451
57	LCD(LCD901)	CAW1422	CAW1422
58	Cord	CDE4387	CDE4387
59	EL(CN902)	CEL1502	CEL1502
60	Connector(CN901)	CKS2733	CKS2733
61	Holder	CNC7024	CNC7024
62	Tape	CNM5317	CNM5317
63	Spacer	CNM5380	CNM5380
64	Connector	CNV4875	CNV4875
65	Grille Unit	CXB1191	CXB1199
66	Cover Unit	CXB1201	CXB1203
67	Panel Assy	CXB1453	CXB1455
68	Screw	BPZ20P060FMC	BPZ20P060FMC
69	Screw	CBA1082	CBA1082
70	Screw	CBA1176	CBA1176
71	Washer	CBF1001	CBF1001
72	Spring	CBH2063	CBH2063
73	Spring	CBH1660	CBH1660
74	Spring	CBH1696	CBH1696
75	Connector	CKS2780	CKS2780

Mark No. Description	Part No.	
	KEH-P6600R/EW	KEX-P66R/EW
76 Roller	CLA3247	CLA3247
77 Arm	CNC7130	CNC7130
78 Sheet	CNM5142	CNM5142
79 Panel	CNS4432	CNS4435
80 Holder	CNV2141	CNV2141
81 Cover	CNV3965	CNV3965
82 Holder	CNV4979	CNV4979
83 Damper Unit	CXA7159	CXA7159
84 Holder Unit	CXA7794	CXA7794
85 Holder Unit	CXA9806	CXA9806
86 Holder Unit	CXA9807	CXA9807
87 Screw	IMS20P040FZK	IMS20P040FZK
88 P.C.Board	CNP4720	CNP4720
89 Cassette Mechanism Module	EXK3610	EXK3610
90 Screw	BSZ26P050FMC	BSZ26P050FMC
91 Cord	MDE9001	MDE9001
92 Holder	MNC9001	MNC9001
93 Holder	MNC9002	MNC9002
94 Insulator	MNM9001	MNM9001
95 Inverter Unit	MWM9011	MWM9011
96 Plug(CN101)	CKS1224	CKS1224
97 Connector(CN352)	.....	CKS3598
98 Screw	CBA1284	CBA1284
99 Handle	CNC5395	CNC5395
100 Spring	CBH-865	CBH-865
101 IC(IC551)	TDA7384A	.....
102 Transistor(Q641)	2SD1189	2SD1189
103 Transistor(Q624)	2SD2395	2SD2395
* 104 Spacer	CNM5532	CNM5532
105 Connector	.....	CDE5344
106 Screw	BSZ30P050FMC	.....
107 Cord Assy	.....	CDE5321
108 Fuse(4A)	.....	CEK1001
* 109 Cushion	CNM5486	CNM5486
110 Spacer	CNM5488	CNM5488

2.3 CASSETTE MECHANISM MODULE

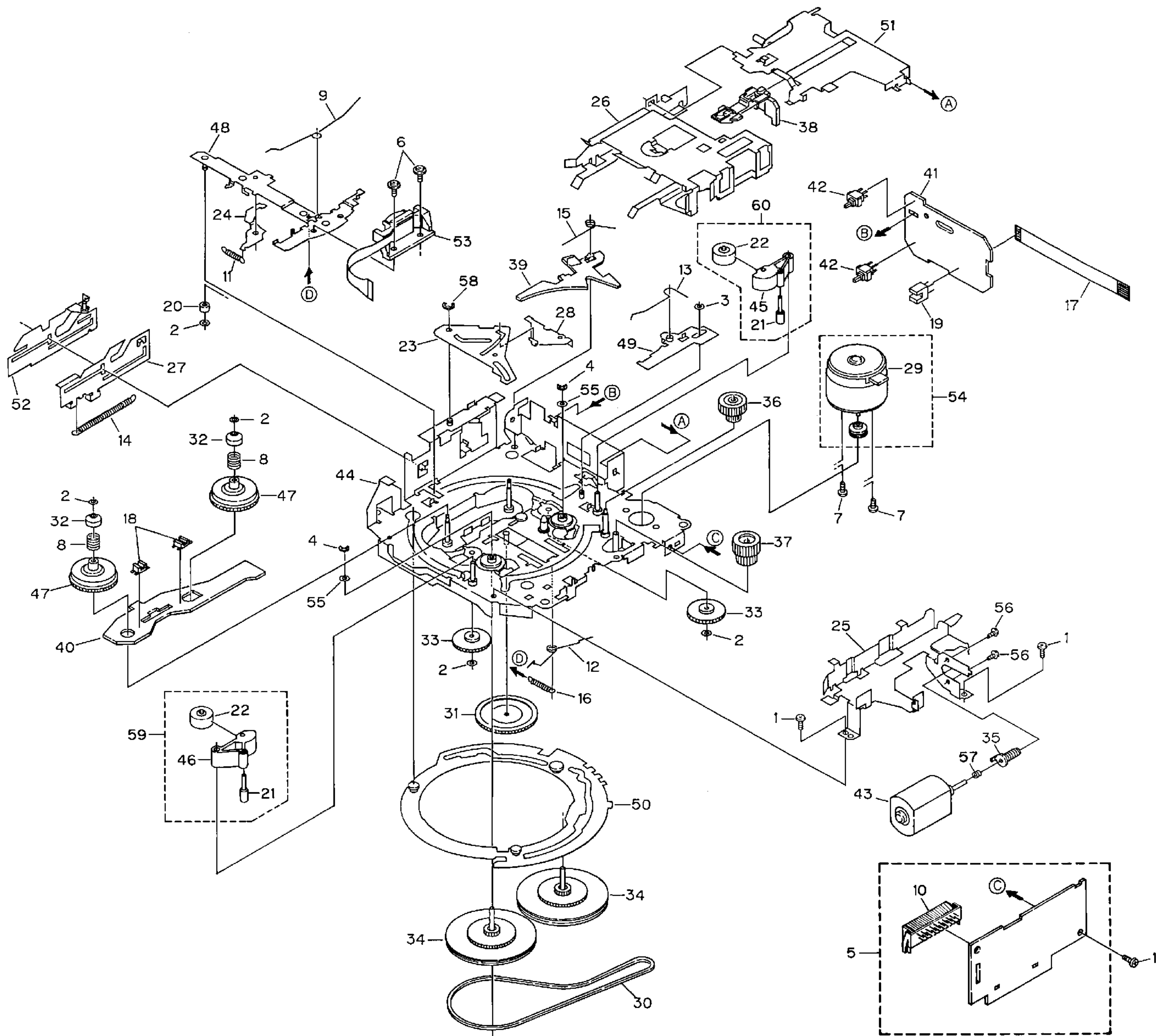


Fig. 5

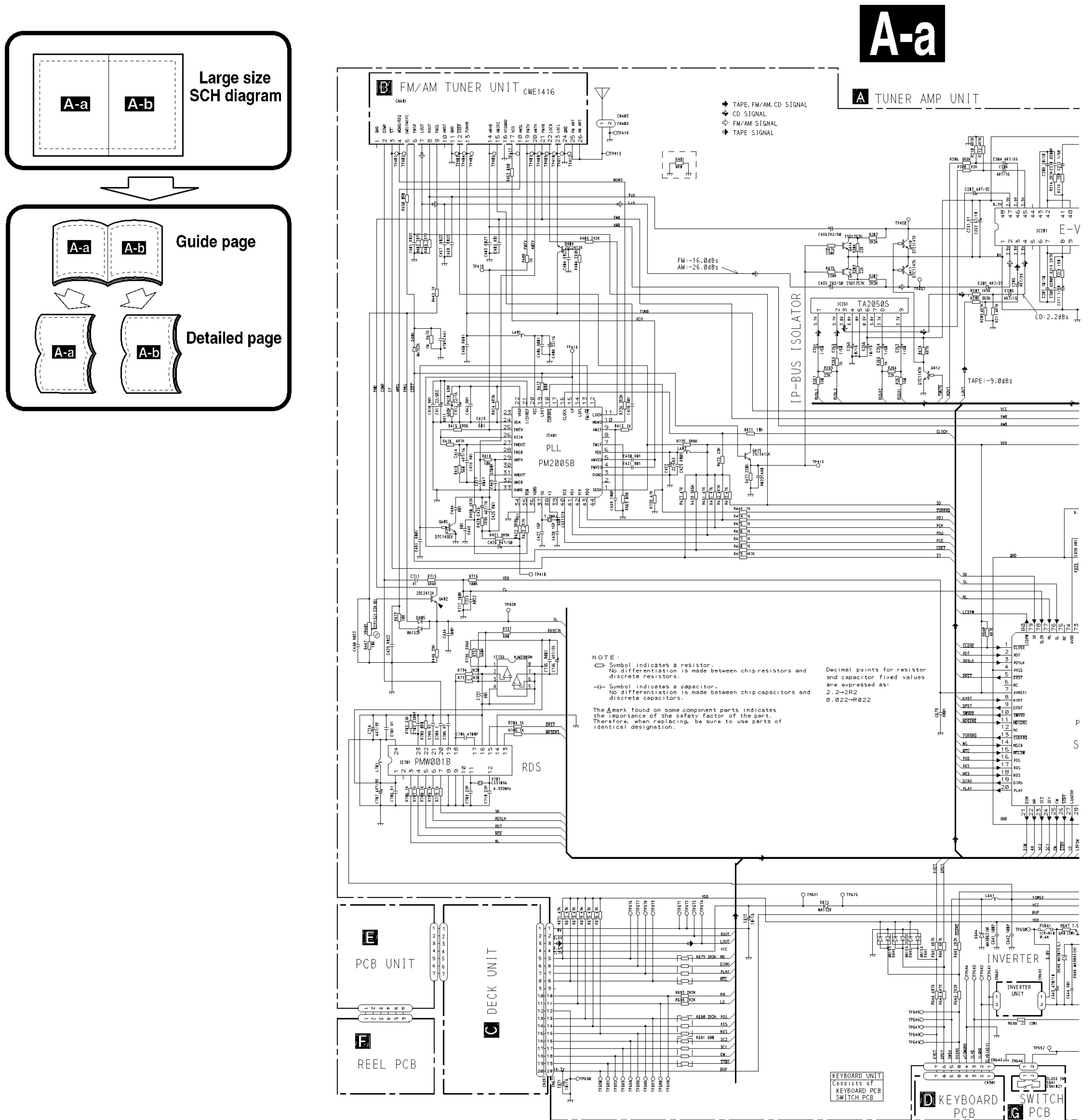
● Parts List

Mark No.	Description	Part No.	Mark No.	Description	Part No.
1	Screw	BSZ20P040FMC	31	Gear	ENV1347
2	Washer	CBF1037	32	Collar	ENV1508
3	Washer	CBF1038	33	Gear	ENV1350
4	Washer	CBG1003	34	Flywheel	ENV1516
5	Deck Unit	EWM1010	35	Worm Gear	ENV1439
6	Screw	EBA1028	36	Worm Wheel	ENV1440
7	Screw	EBA1037	37	Gear	ENR1028
8	Spring	EBH1531	38	Lever	ENV1442
9	Spring	EBH1575	39	Arm	ENV1445
10	Plug(CN251)	CKS3540	40	Gathering P.C.Board	ENX1037
11	Spring	EBH1515	41	Gathering P.C.Board	ENX1042
12	Spring	EBH1587	42	Switch(S1,S2)	ESG1004
13	Spring	EBH1517	43	Motor Unit(M2)	EXA1485
14	Spring	EBH1518	44	Chassis Unit	EXA1455
15	Spring	EBH1519	45	Pinch Holder	ENV1485
16	Spring	EBH1537	46	Pinch Holder	ENV1486
17	Cord	EDD1020	47	Reel Unit	EXA1456
18	Photo-interrupter(EGN2,3)	EGN1006	48	Head Base Unit	EXA1457
19	Photo-interrupter(EGN1)	EGN1005	49	Lever Unit	EXA1438
20	Roller	ENR1031	50	Gear Unit	EXA1436
21	Shaft	ELA1373	51	Frame Unit	EXA1458
22	Pinch Roller	ENV1501	52	Lever Unit	EXA1439
23	Arm	ENC1396	53	Head Assy(HD1)	EXA1506
24	Arm	ENC1397	54	Motor Unit(M1)	EXA1491
25	Guide	ENC1481	55	Washer	HBF-179
26	Holder	ENC1417	56	Screw	BMZ20P022FMC
27	Lever	ENC1448	57	Spring	EBH1545
28	Arm	ENC1401	58	Washer	YE20FUC
29	Motor	EXM1028	59	Pinch Holder Unit	EXA1501
30	Belt	ENT1027	60	Pinch Holder Unit	EXA1500

3. SCHEMATIC DIAGRAM

3.1 OVERALL CONNECTION DIAGRAM(GUIDE PAGE)

Note: When ordering service parts, be sure to refer to “EXPLODED VIEWS AND PARTS LIST” or “ELECTRICAL PARTS LIST”.



A-b

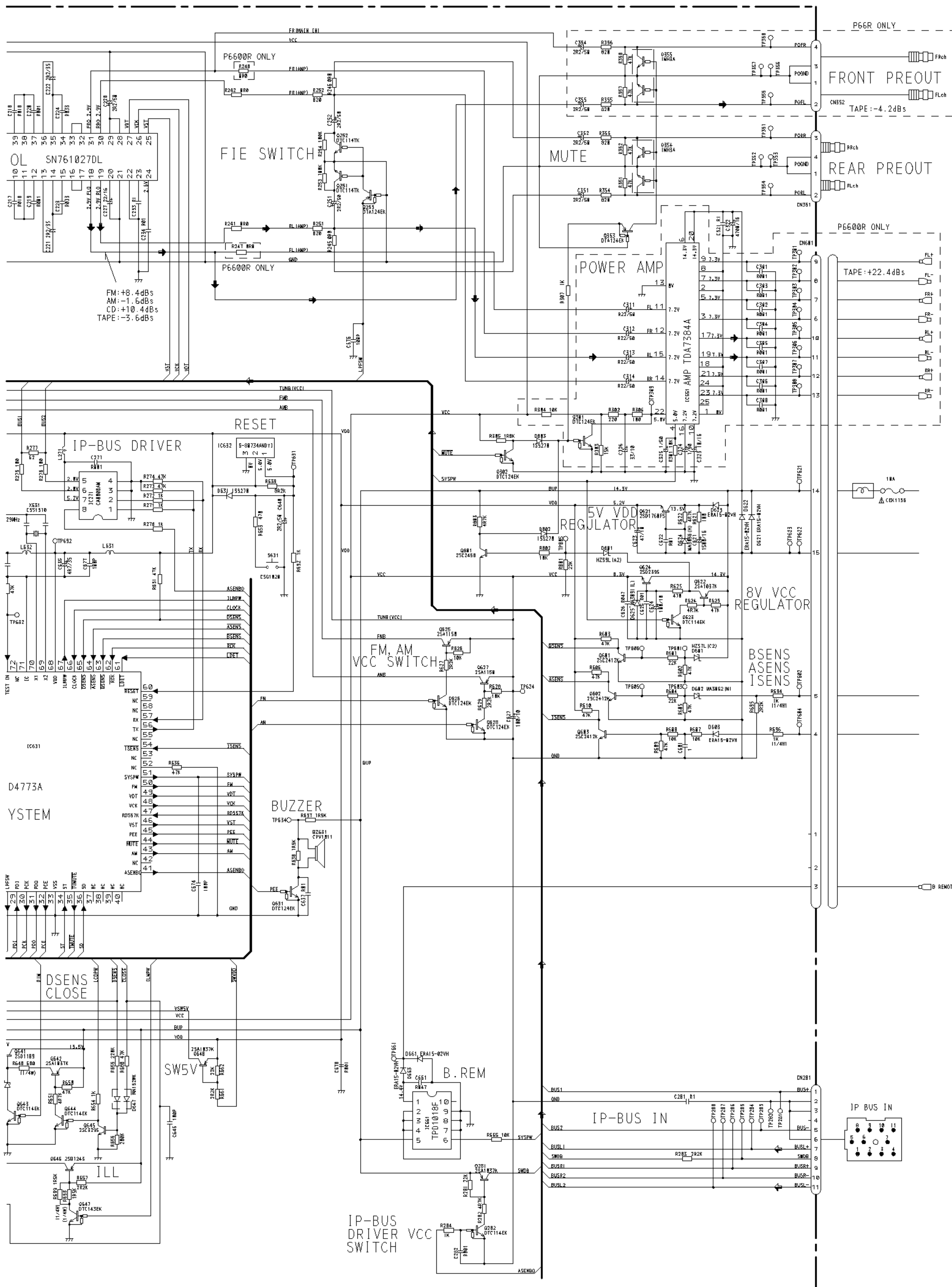
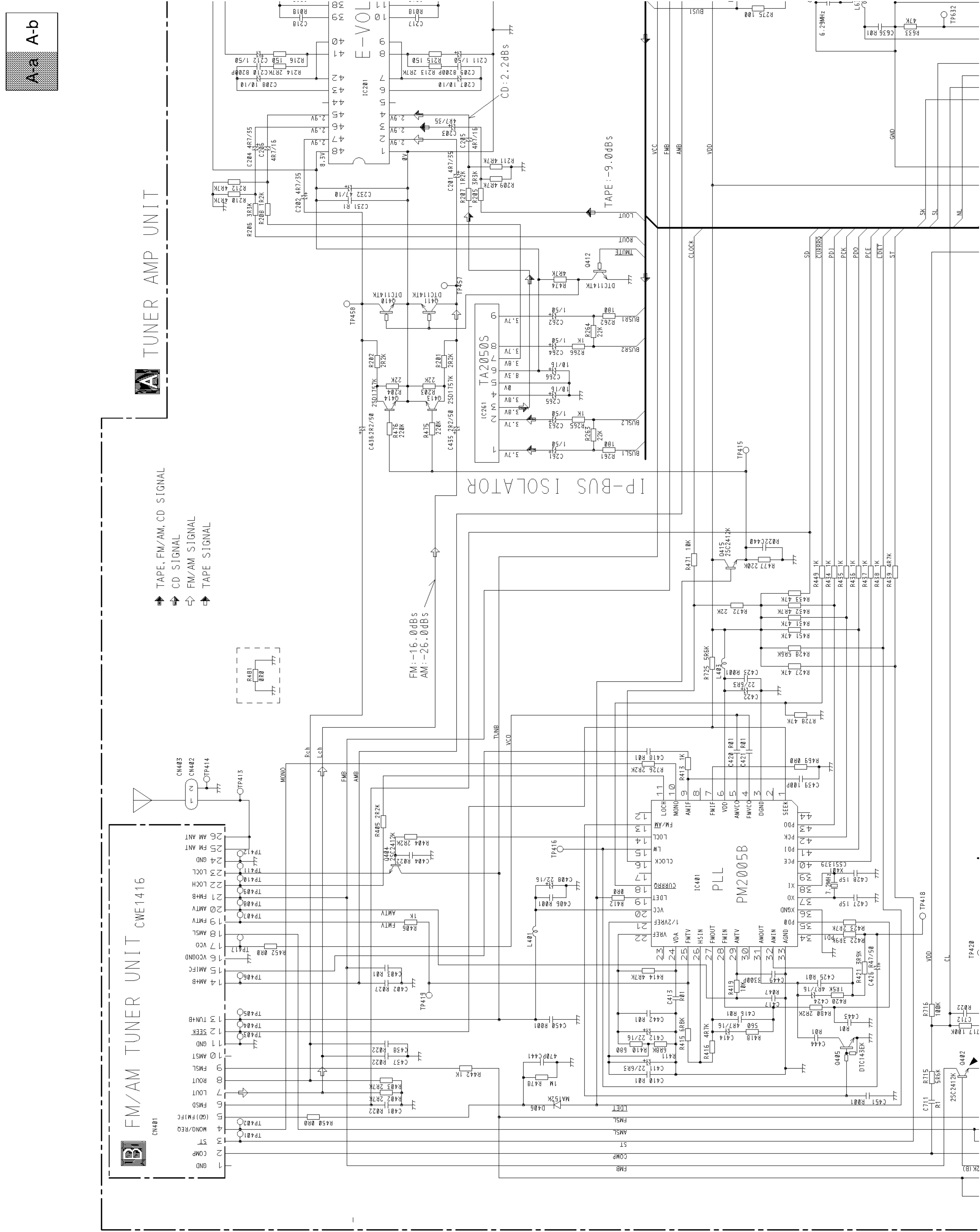


Fig. 6



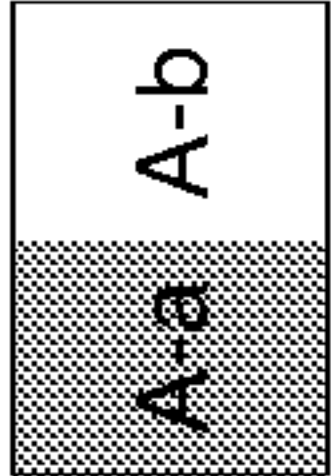
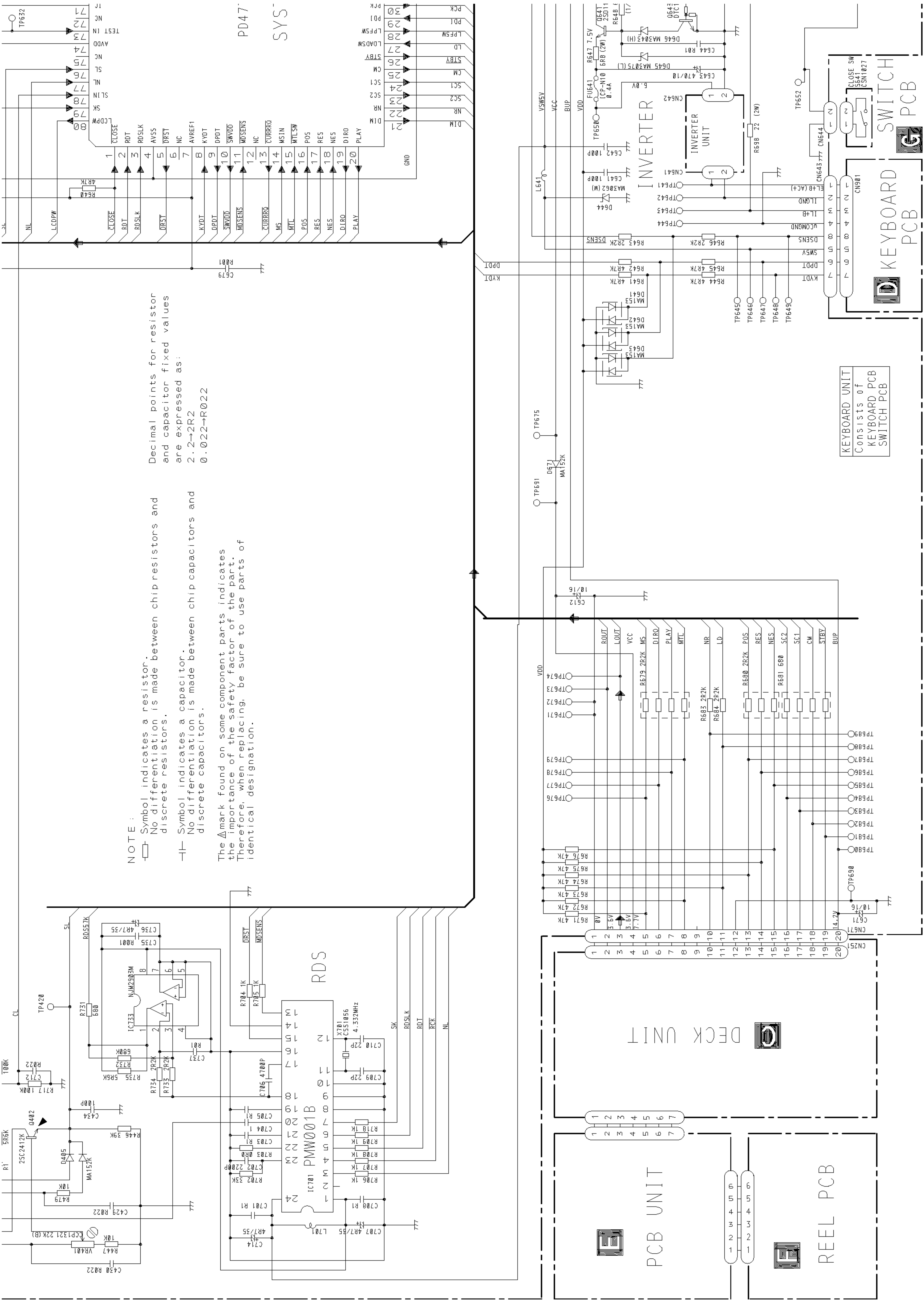
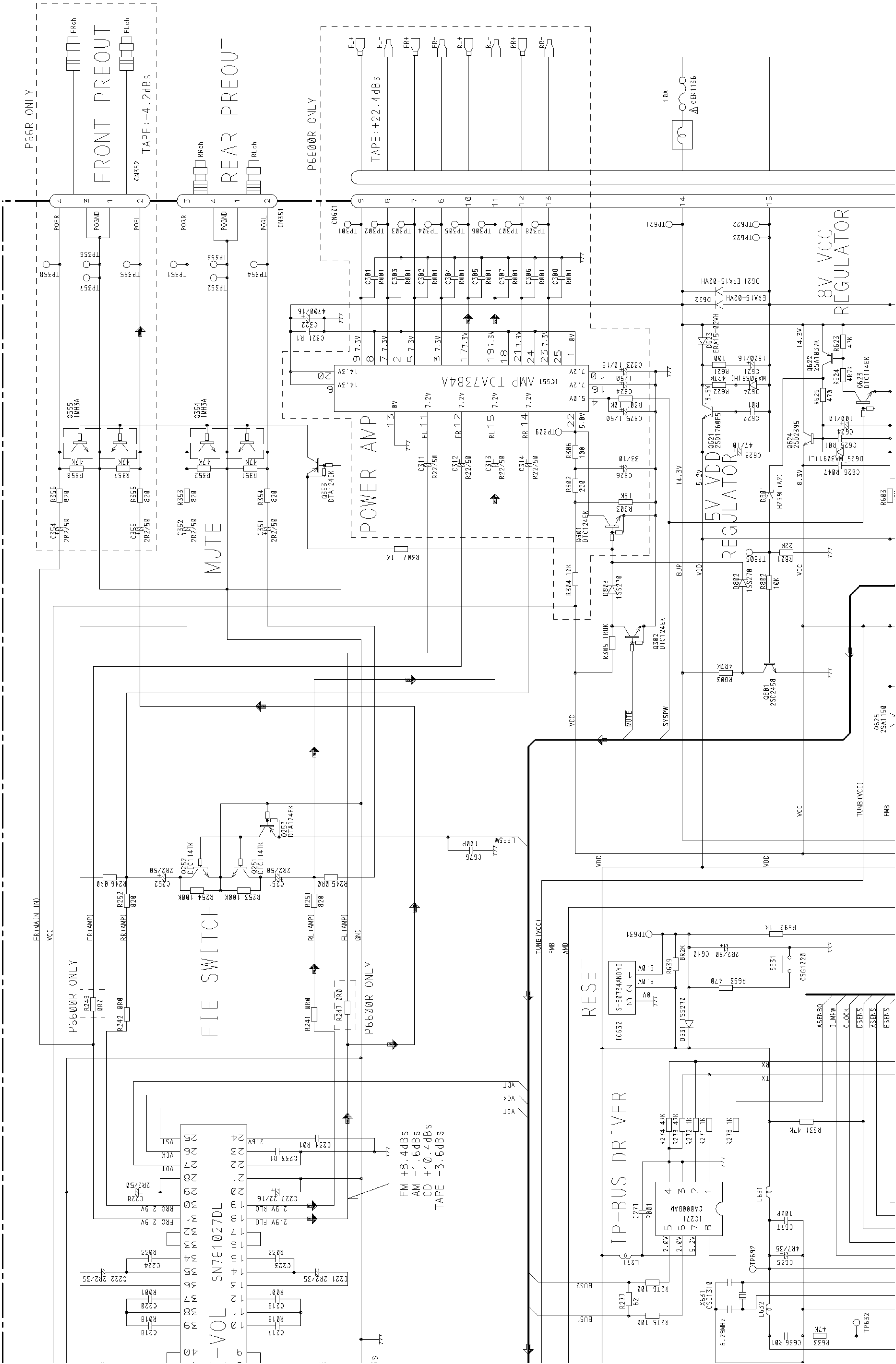
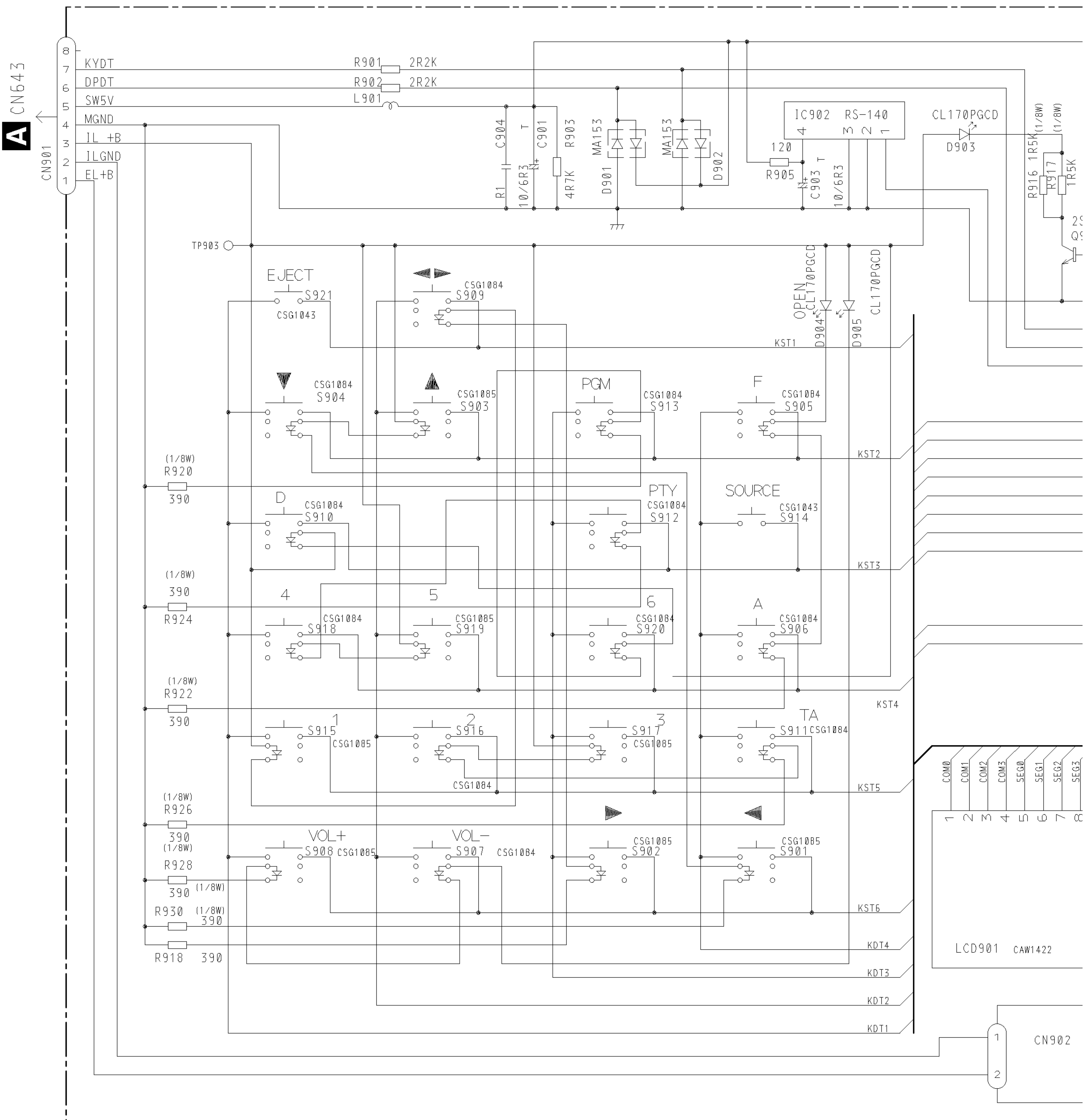


Fig. 7

KEH-P6600R,KEX-P66R



3.2 KEYBOARD PCB



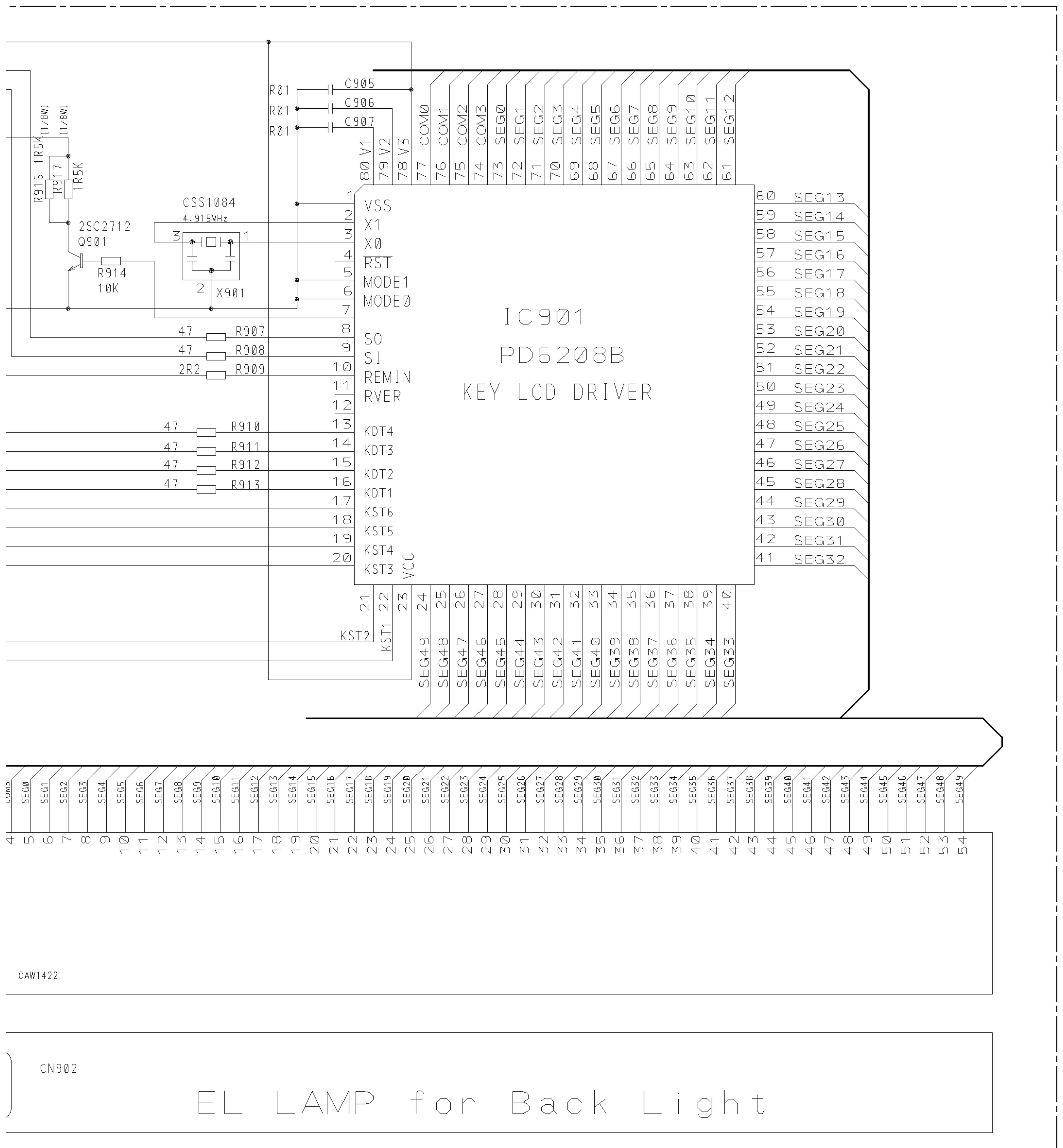
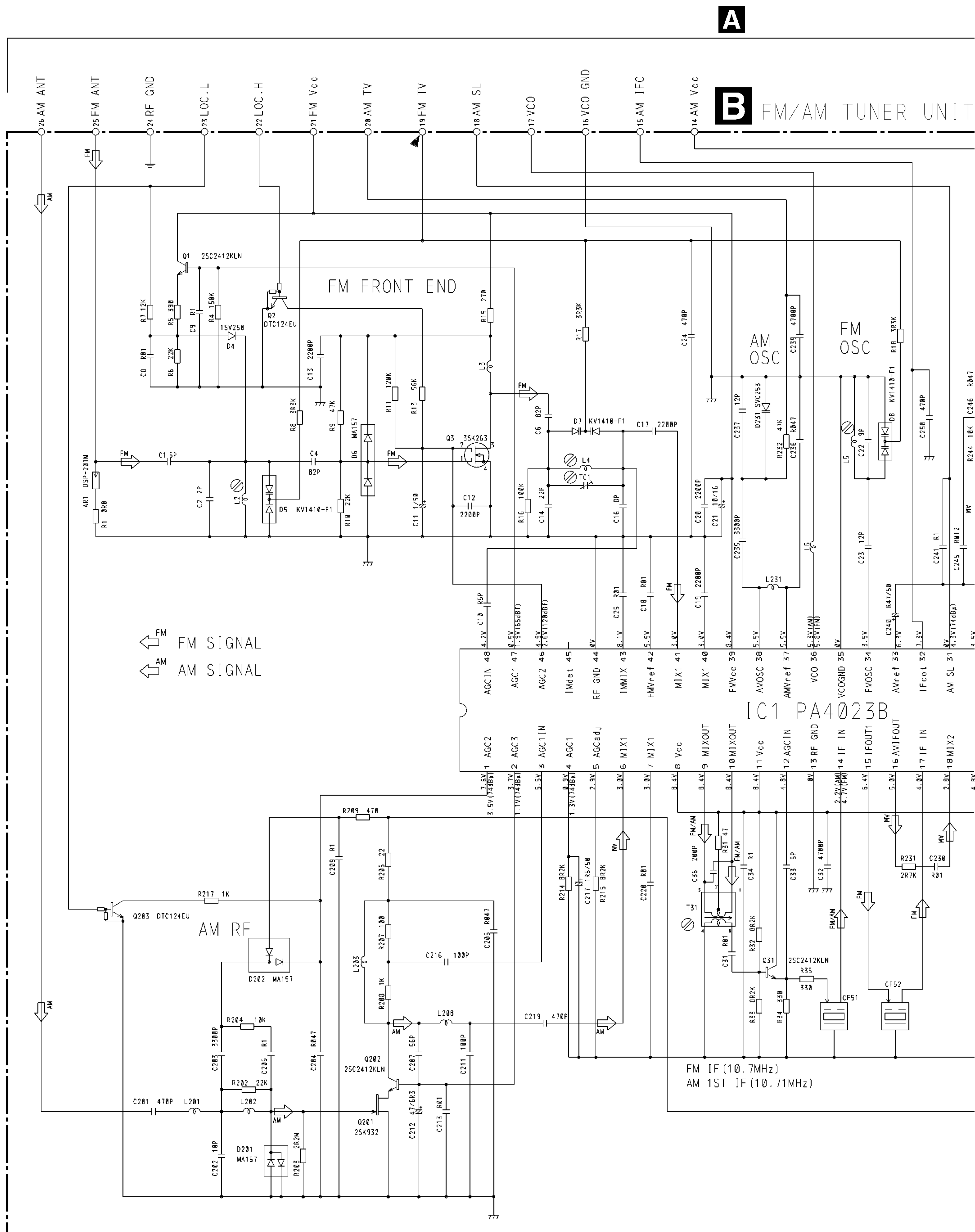
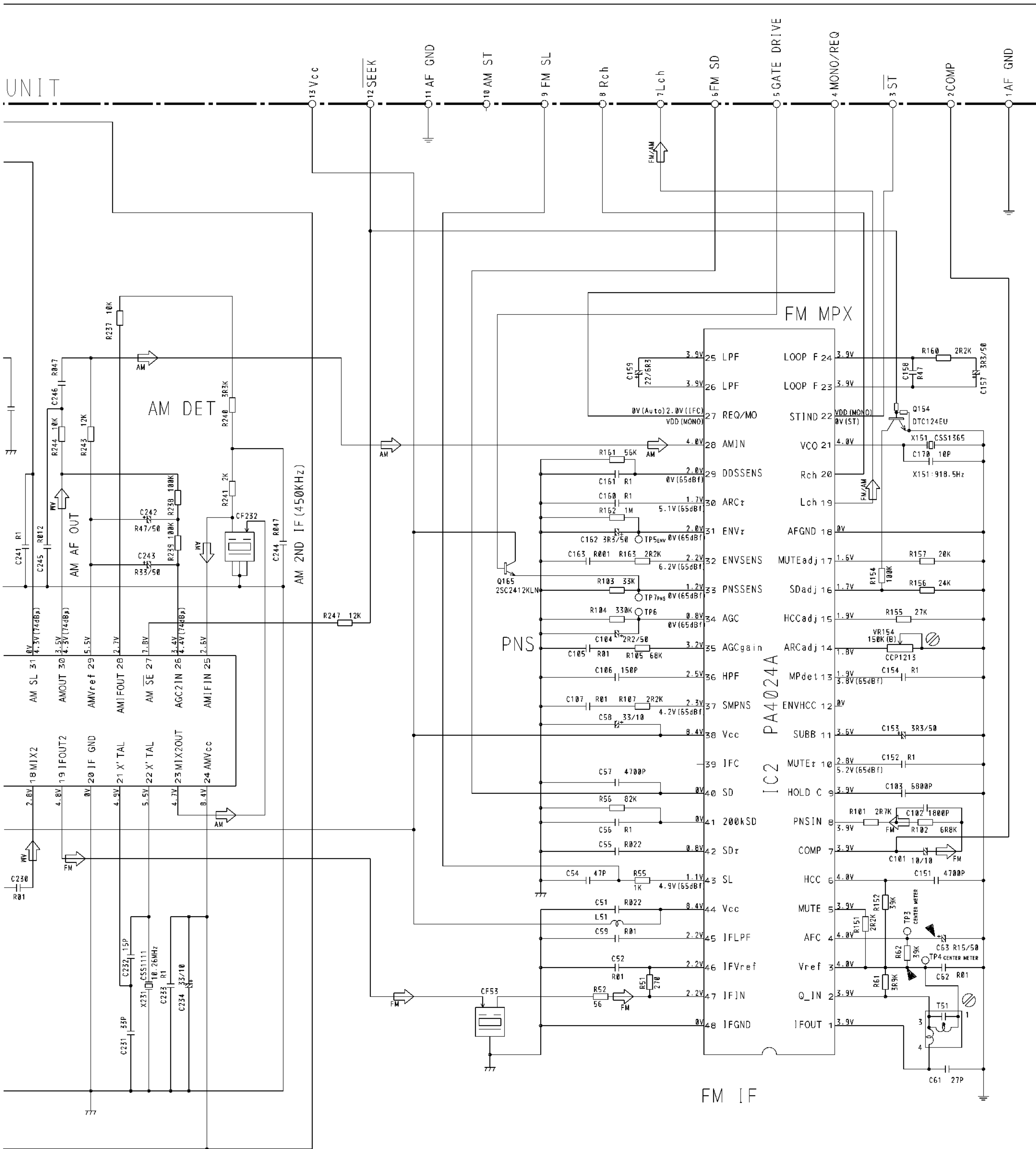


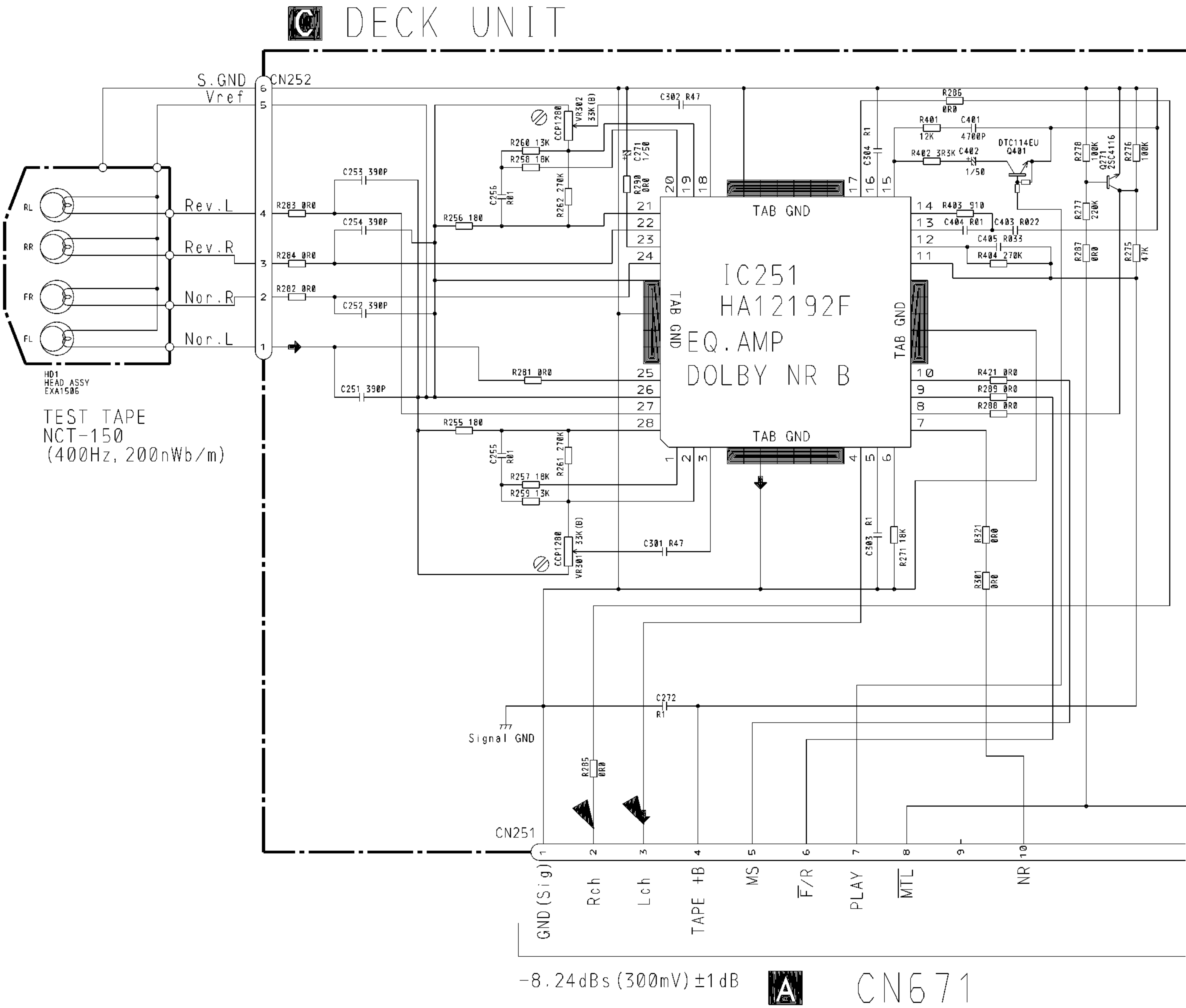
Fig. 9

3.3 FM/AM TUNER UNIT





3.4 CASSETTE MECHANISM MODULE



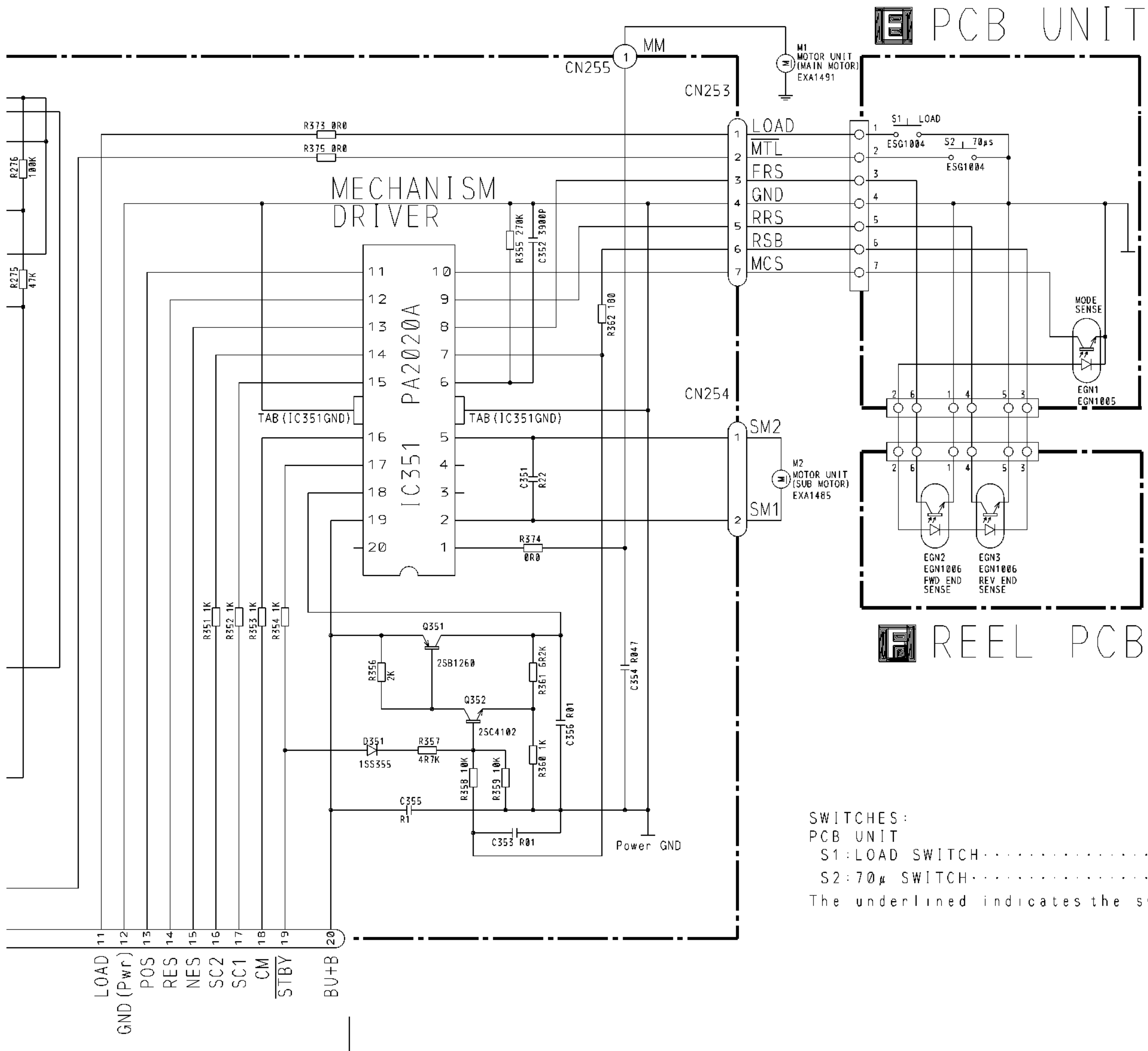


Fig. 11

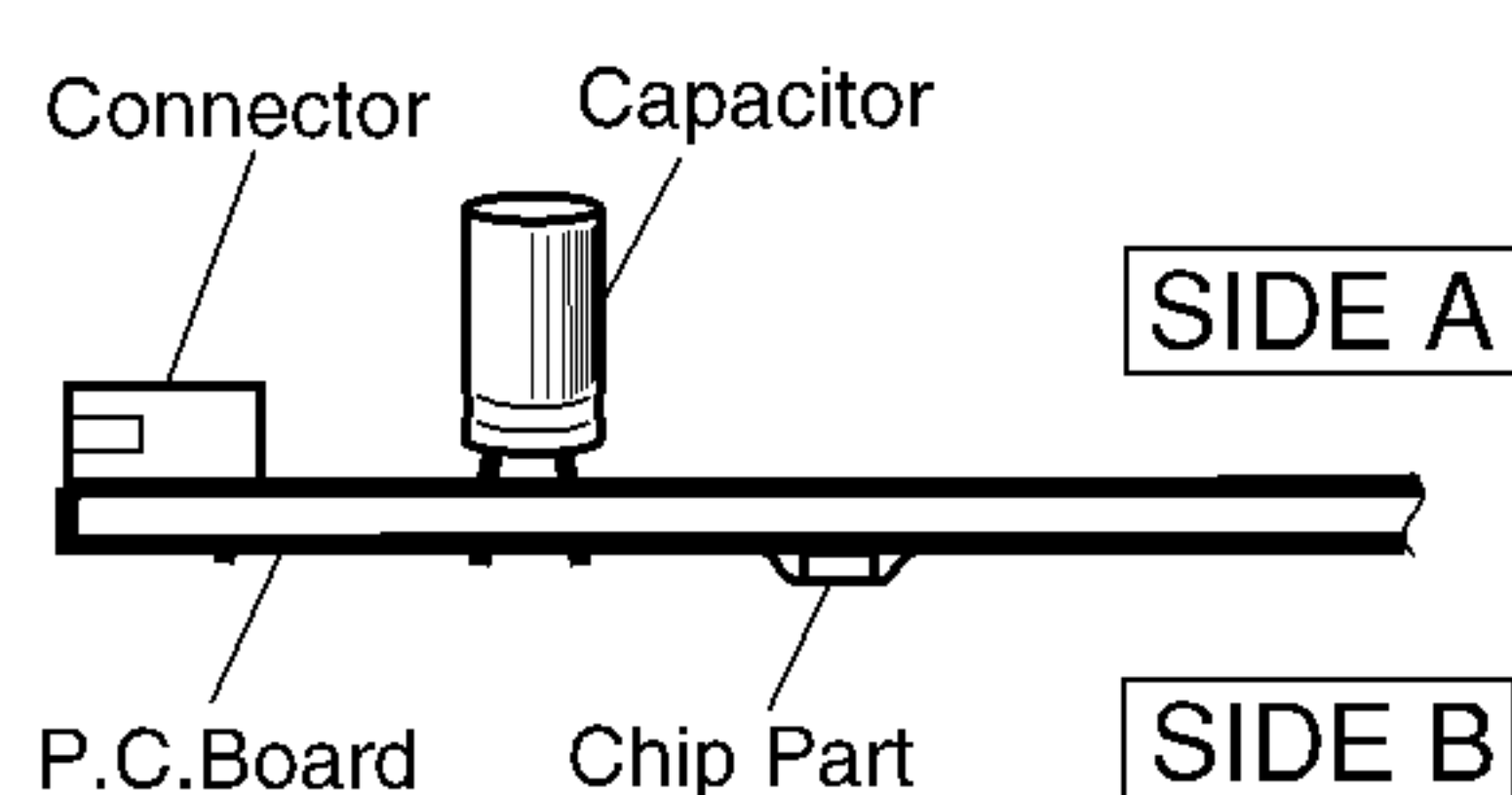
4. PCB CONNECTION DIAGRAM

4.1 TUNER AMP UNIT

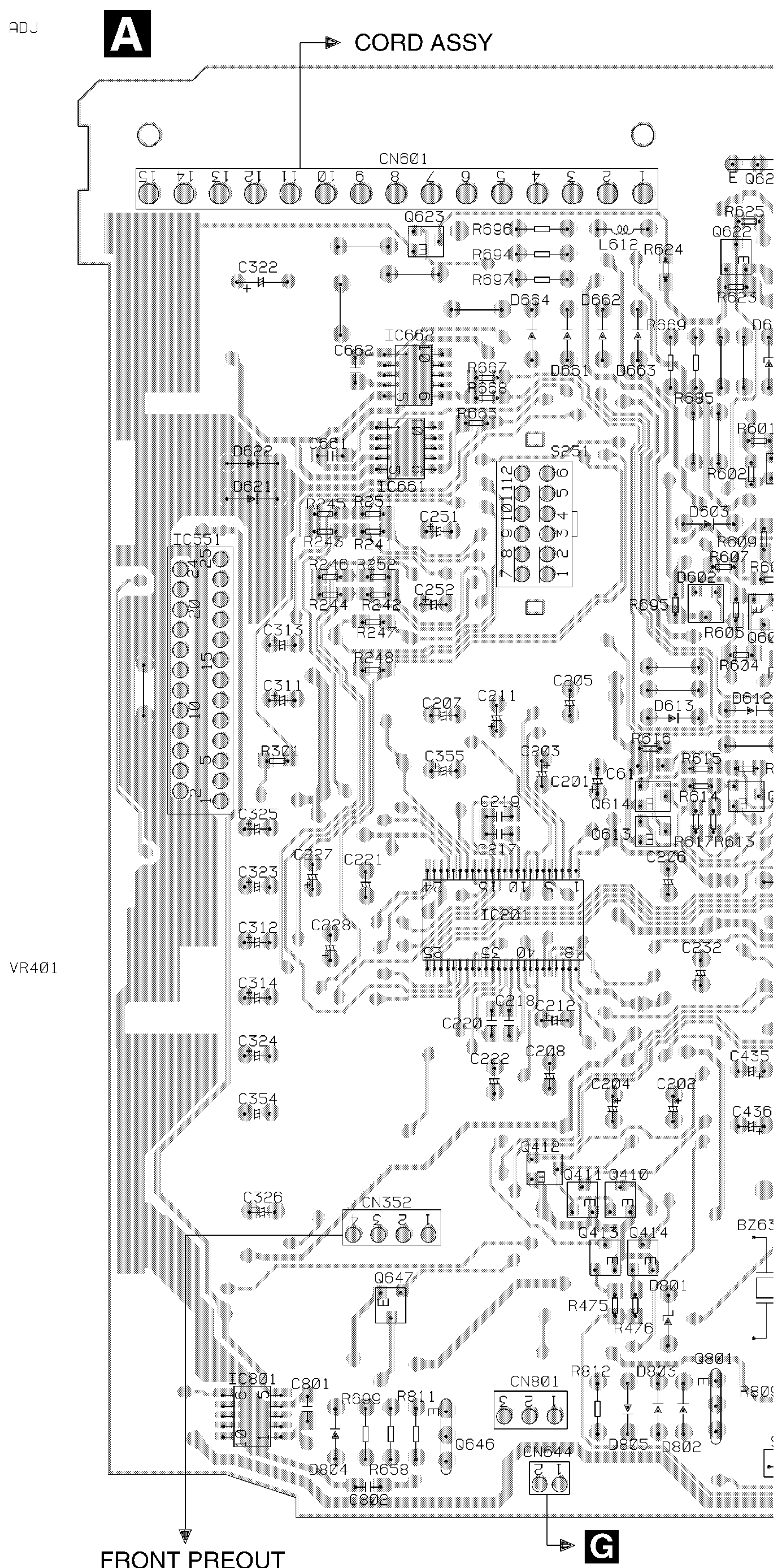
NOTE FOR PCB DIAGRAMS

1. The parts mounted on this PCB include all necessary parts for several destination.
For further information for respective destinations, be sure to check with the schematic diagram.

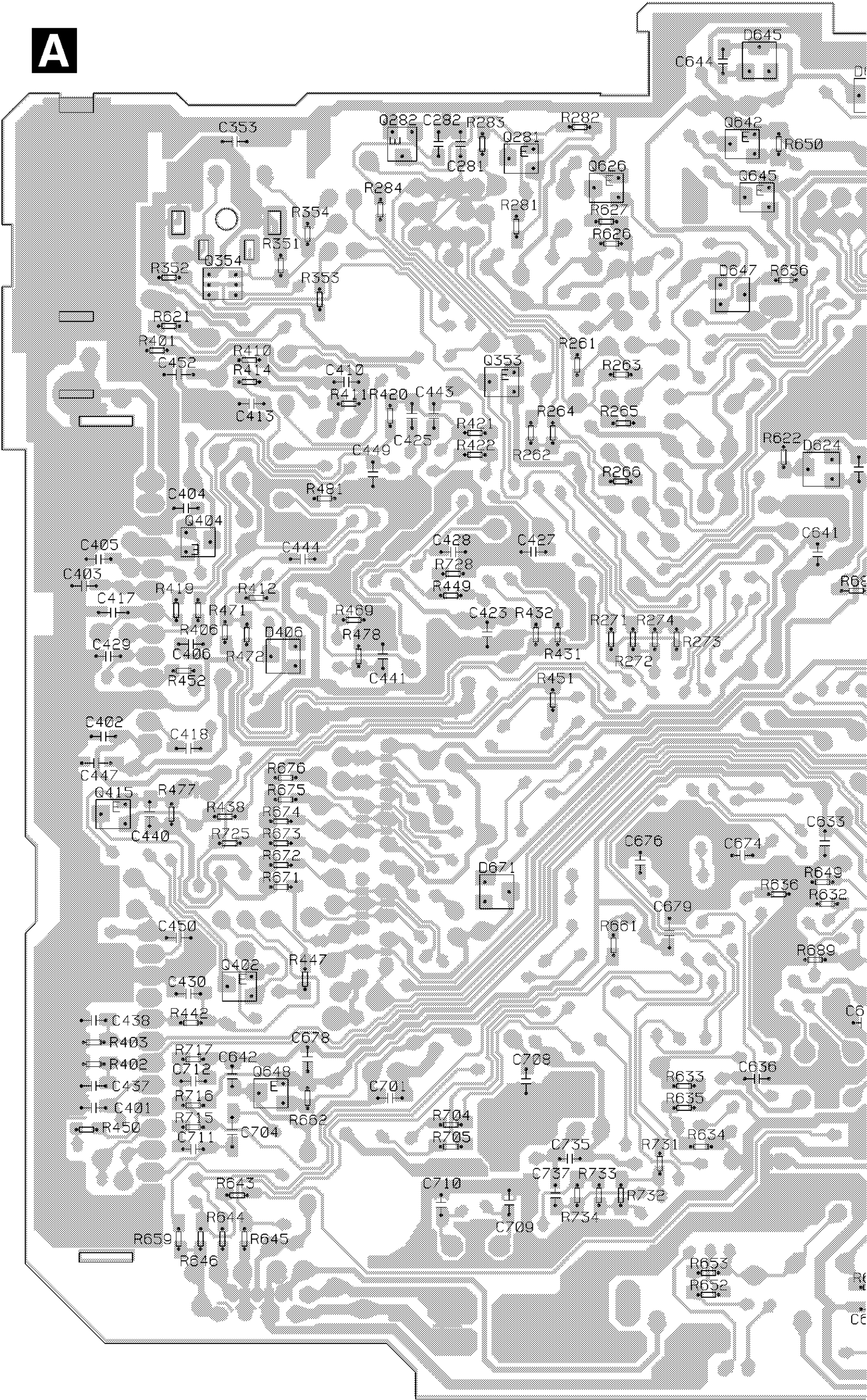
2. Viewpoint of PCB diagrams



T			IC, Q
S			
PCB			
for			Q641
	Q624		
		Q623	Q643
sure	Q628		
	Q622		Q644
c			
		Q627	
	IC662		
		Q625	
		IC261	
A			
	Q601		
7		Q621	
		IC661	
		IC271	
B			
		IC551	
		Q603	
	Q405		
		Q602	
		IC401	
		Q612	
		Q614	
		Q613	
		IC201	
		IC631	
		Q412	
		IC701	
Q411	Q410		
		Q413	
	Q414		
		Q647	Q632
	Q802	Q803	
	IC632	IC733	
		Q801	
		IC801	
		Q646	



A



A

4.3 SWITCH PCB

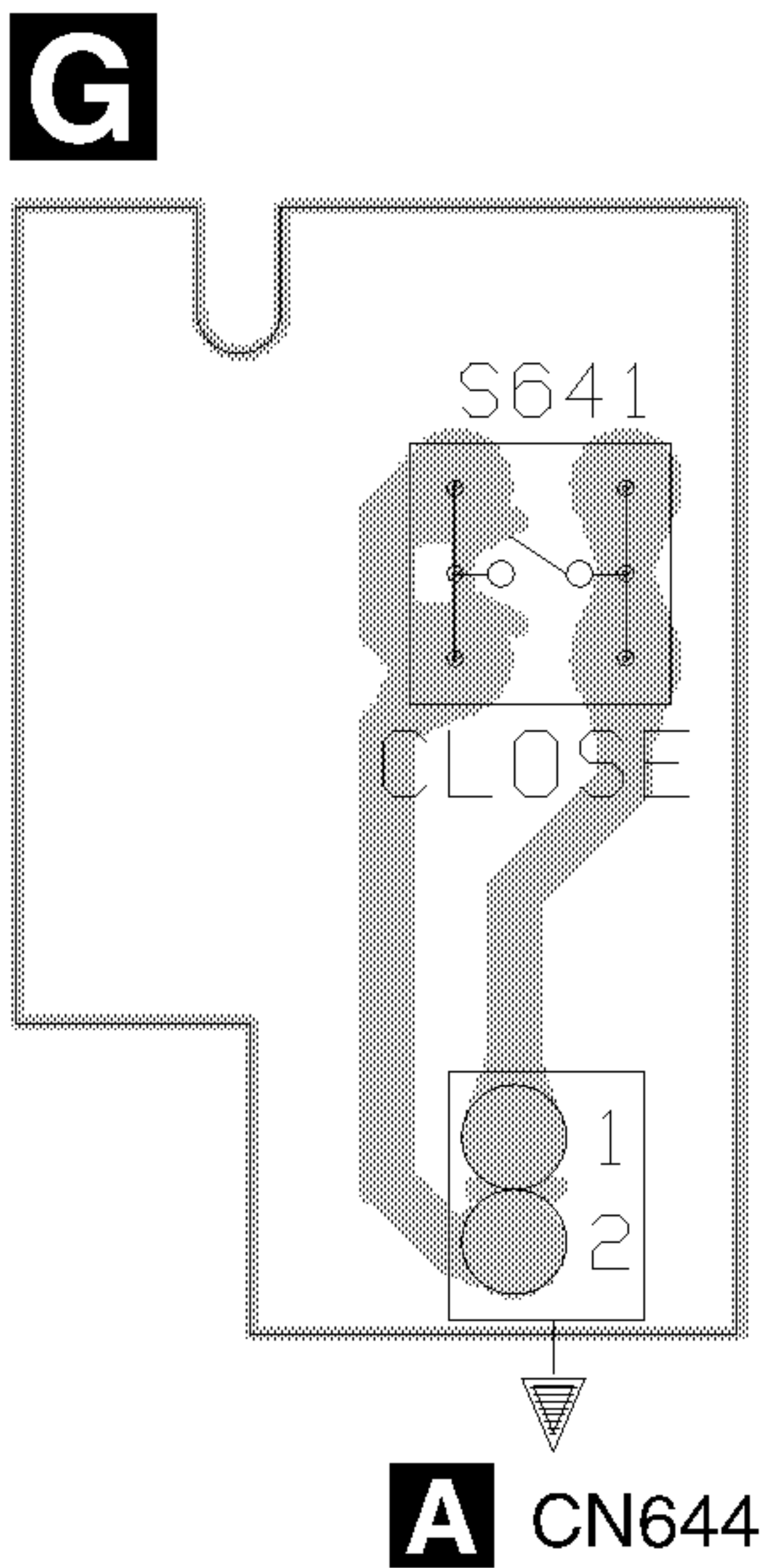
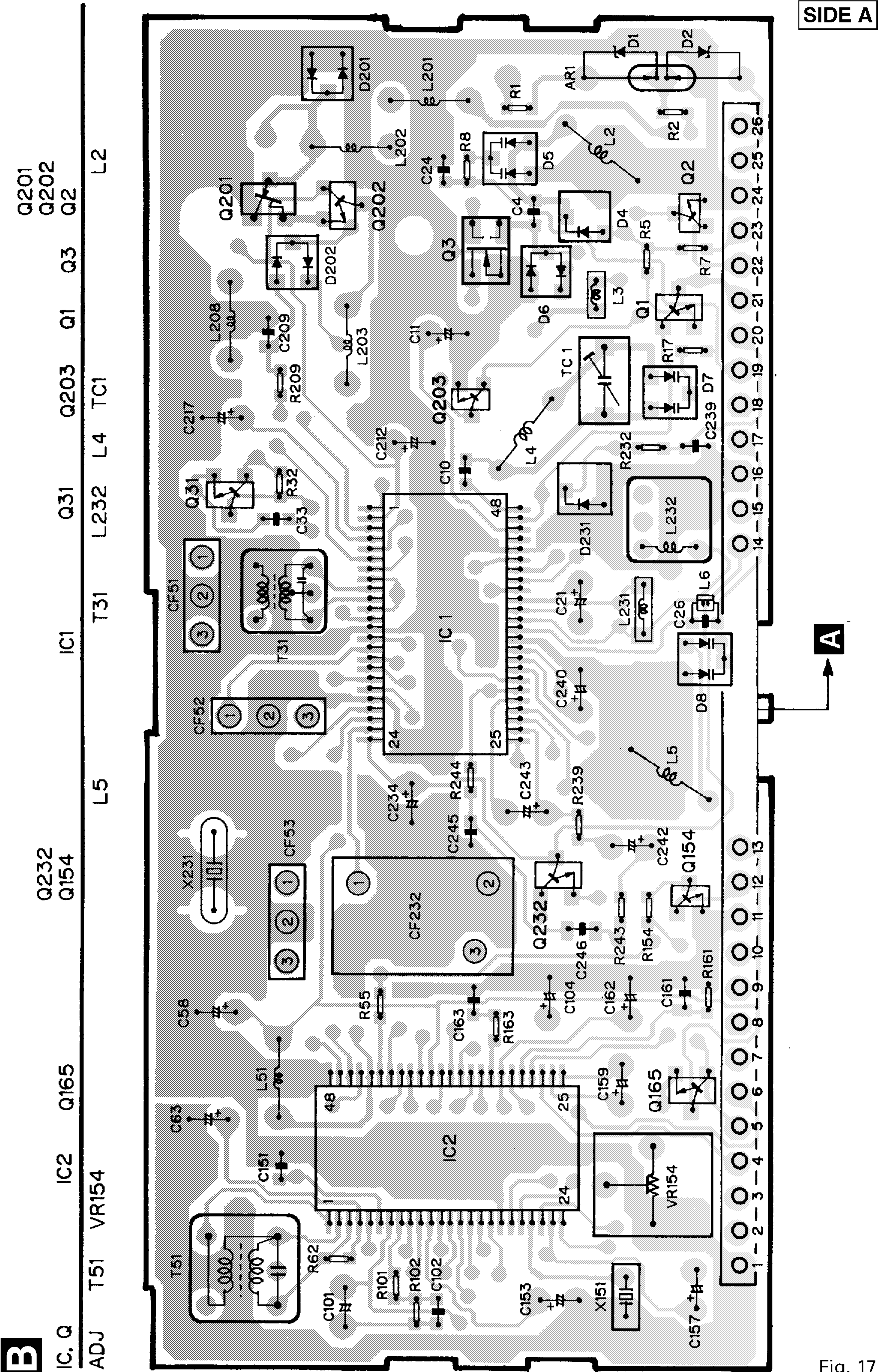


Fig. 16

4.4 FM/AM TUNER UNIT



SIDE B

B

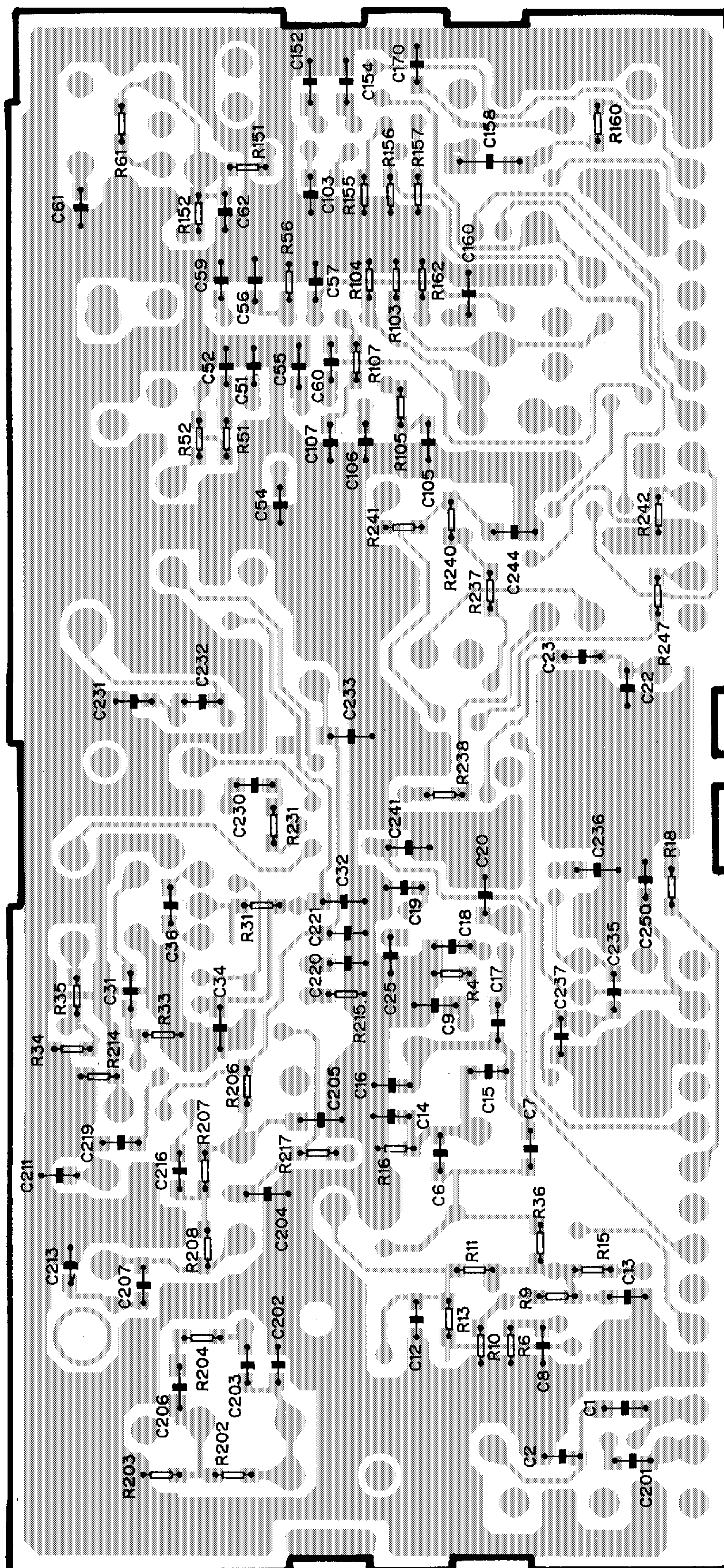


Fig. 18

B

4.5 CASSETTE MECHANISM MODULE

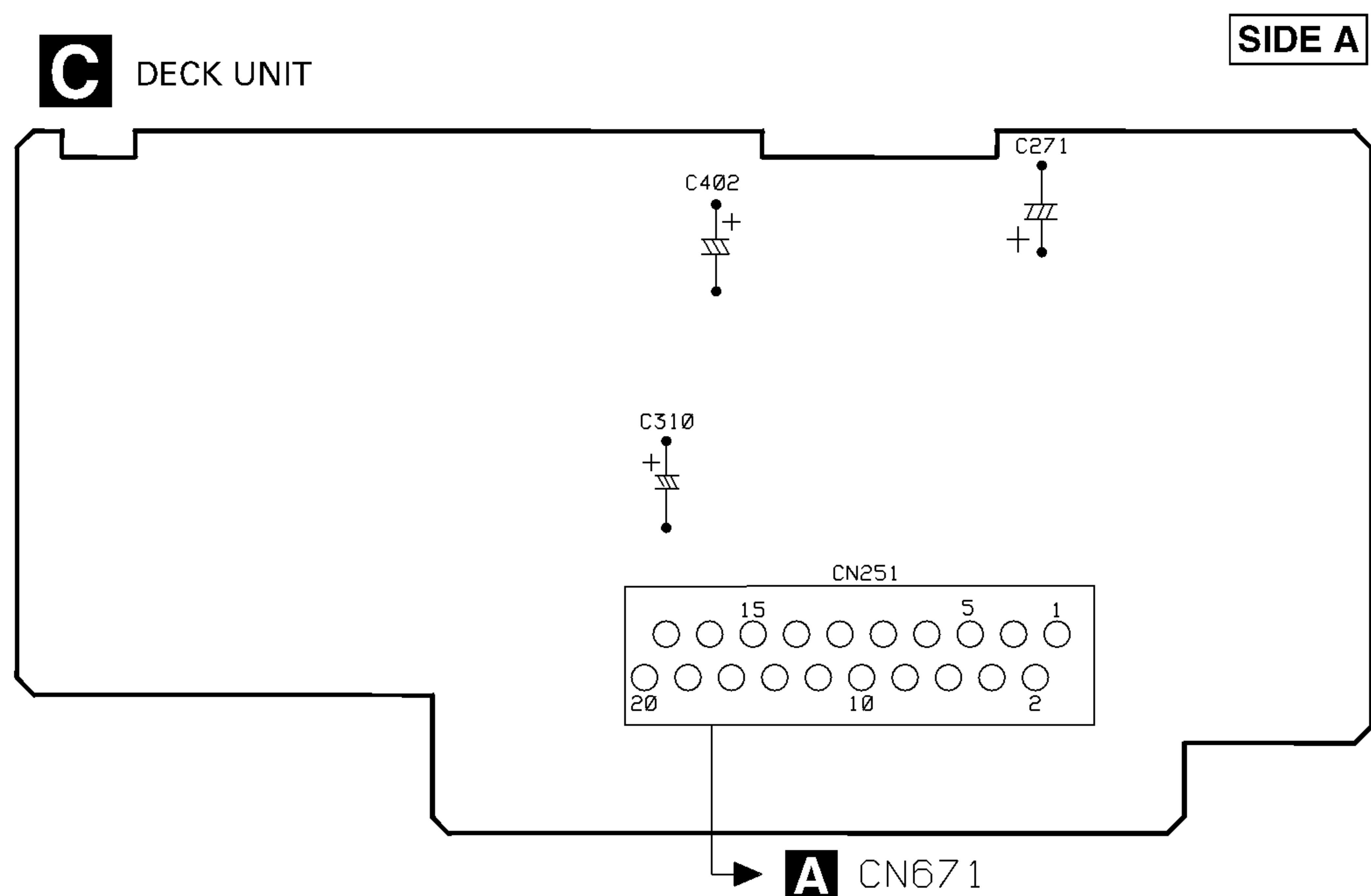


Fig. 19

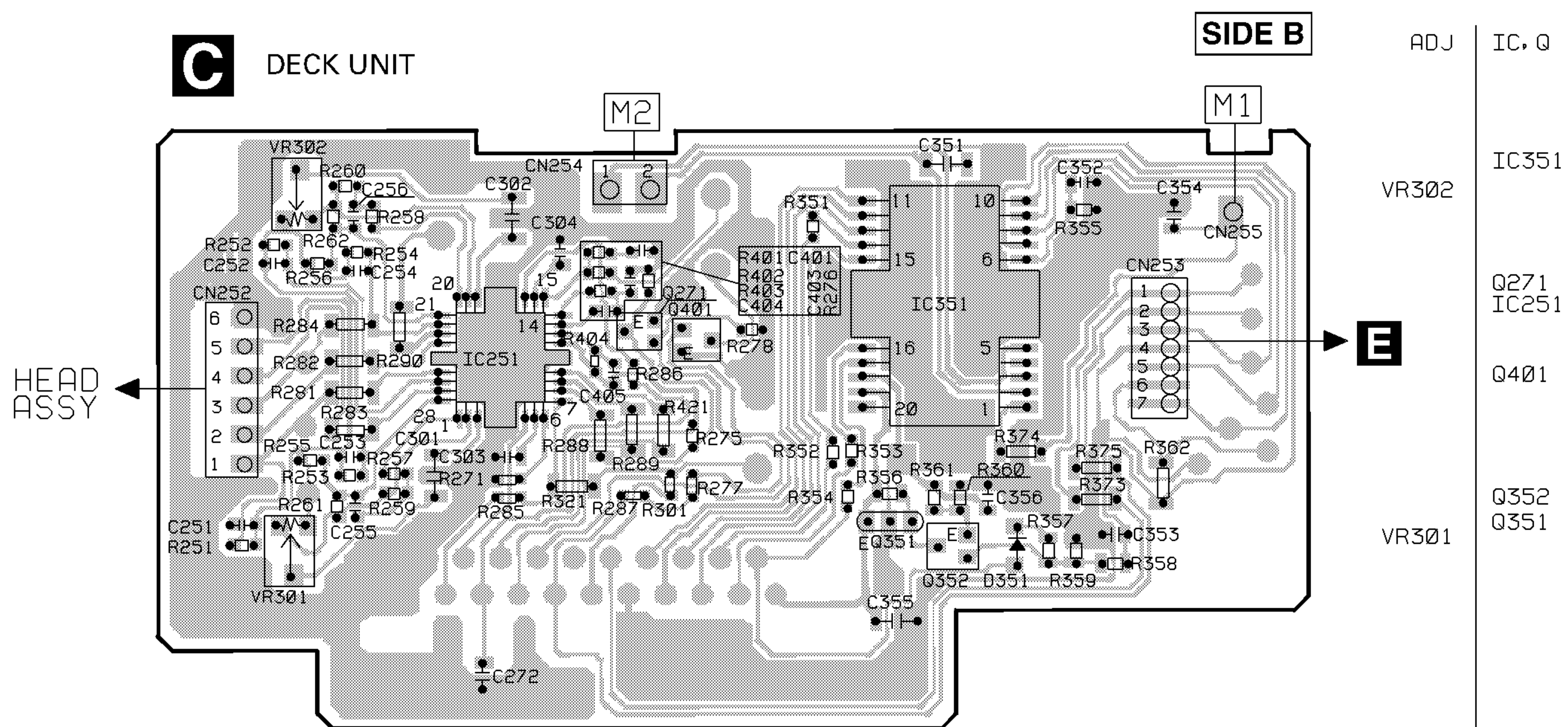


Fig. 20

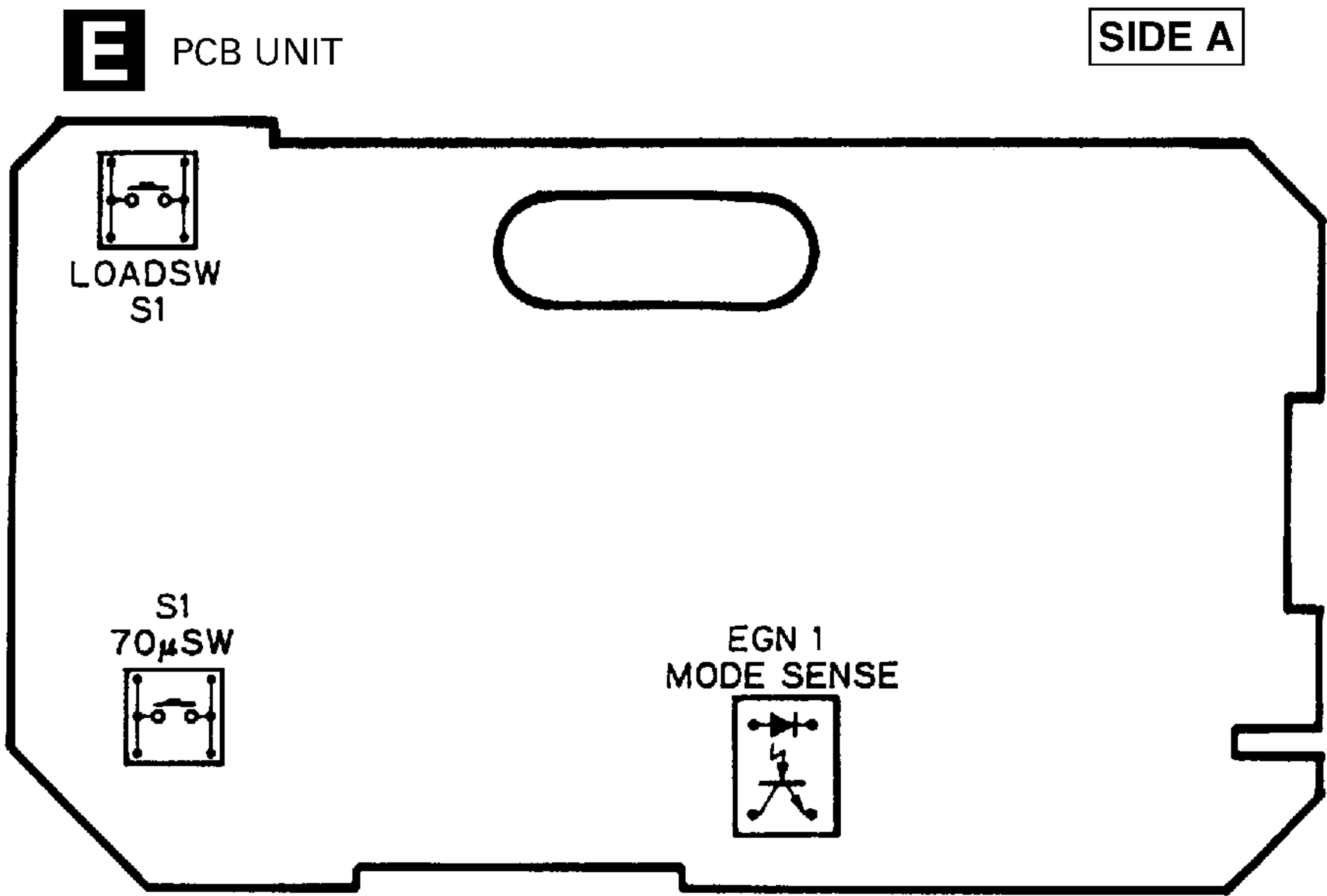


Fig. 21

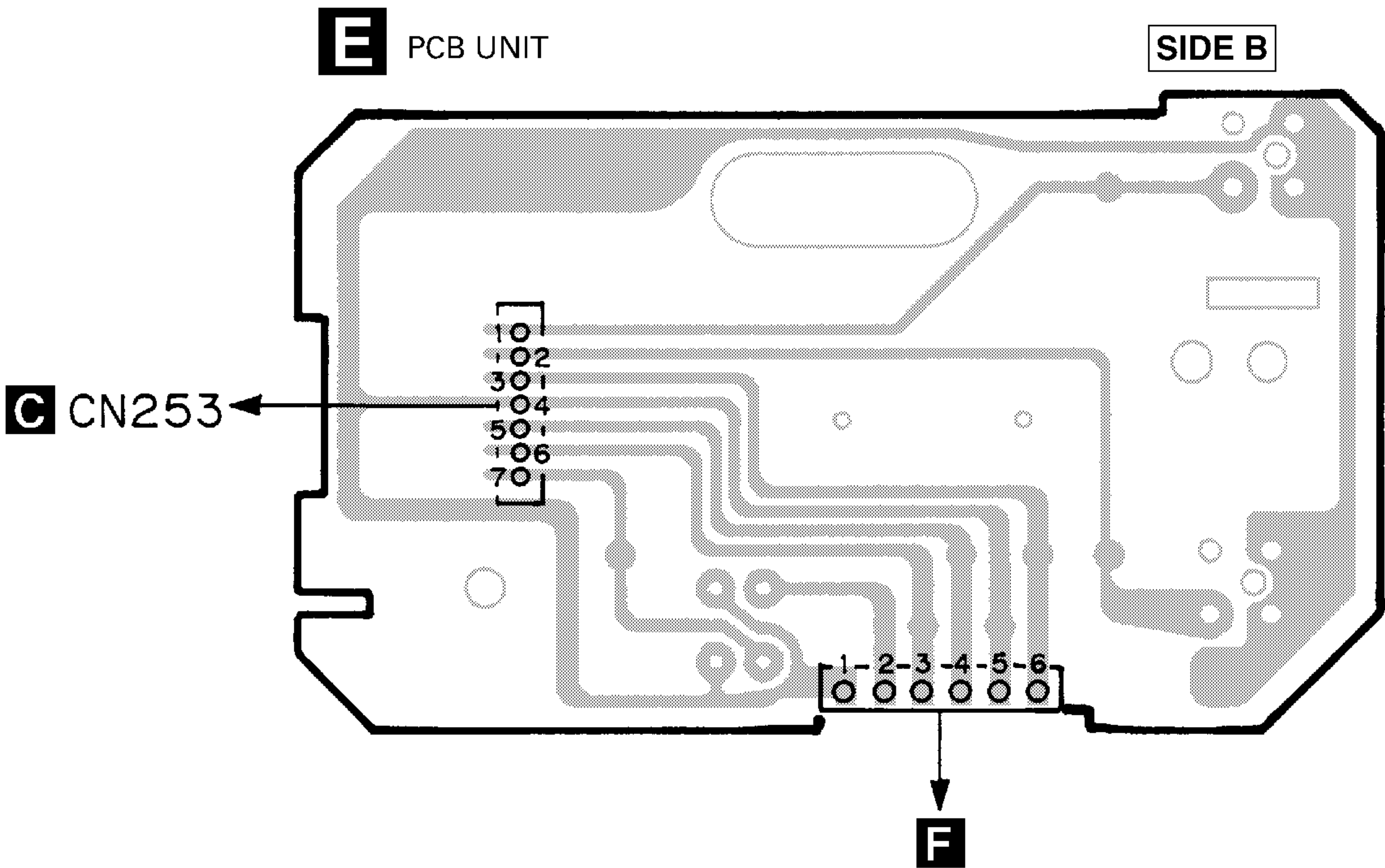


Fig. 22

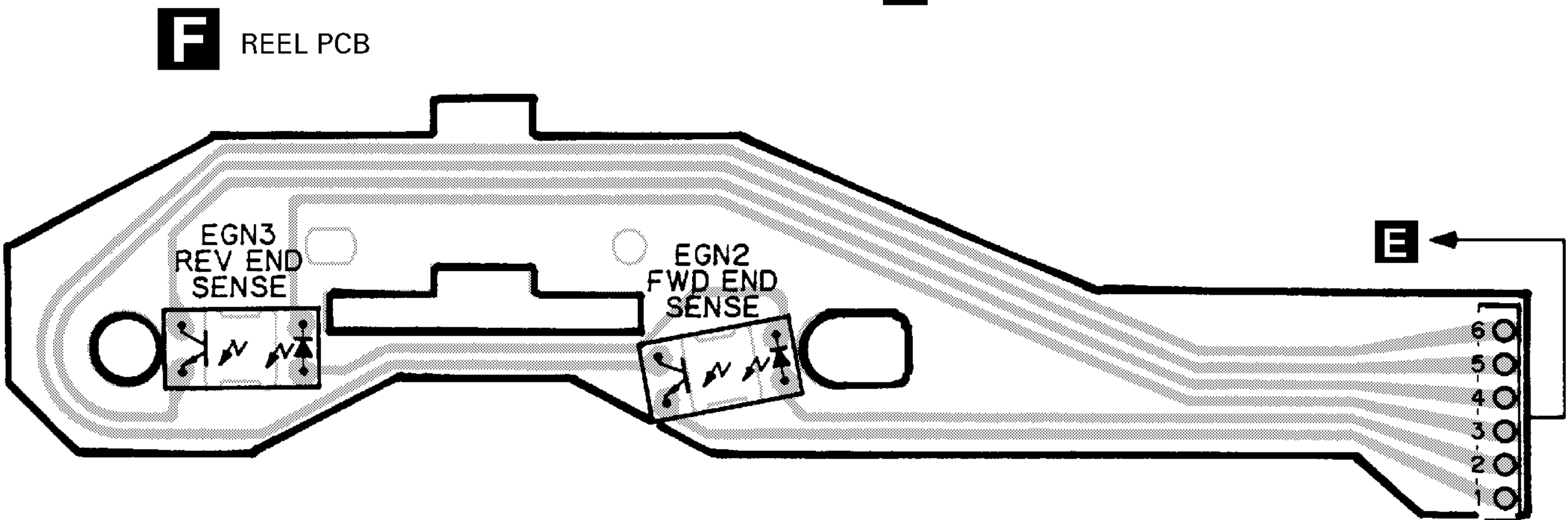


Fig. 23

5. ELECTRICAL PARTS LIST

NOTE:

- Parts whose parts numbers are omitted are subject to being not supplied.
- The part numbers shown below indicate chip components.

Chip Resistor

RS1/○S○○○○J,RS1/○○S○○○○J

Chip Capacitor (except for CQS.....)

CKS....., CCS....., CSZS.....

====Circuit Symbol & No.===Part Name			Part No.	====Circuit Symbol & No.===Part Name			Part No.
<div><div>B</div><div>Unit Number :CWE1416 Unit Name :FM/AM Tuner Unit</div></div>							
MISCELLANEOUS							
IC	1	IC	PA4023B	R	8		RS1/16S332J
IC	2	IC	PA4024A	R	9		RS1/16S473J
Q	1	Transistor	2SC2412KLN	R	10		RS1/16S223J
Q	2	Transistor	DTC124EU	R	11		RS1/16S124J
Q	3	FET	3SK263	R	13		RS1/16S563J
Q	31	Transistor	2SC2412KLN				
Q	154	Transistor	DTC124EU	R	15		RS1/16S271J
Q	165	Transistor	2SC2412KLN	R	16		RS1/16S104J
Q	201	FET	2SK932	R	17		RS1/16S332J
Q	202	Transistor	2SC2412KLN	R	18		RS1/16S332J
				R	31		RS1/16S470J
Q	203	Transistor	DTC124EU				
D	4	Diode	1SV250	R	32		RS1/16S822J
D	5	Diode	KV1410-F1	R	33		RS1/16S822J
D	6	Diode	MA157	R	34		RS1/16S331J
D	7	Diode	KV1410-F1	R	35		RS1/16S331J
				R	51		RS1/16S271J
D	8	Diode	KV1410-F1				
D	201	Diode	MA157	R	52		RS1/16S560J
D	202	Diode	MA157	R	55		RS1/16S102J
D	231	Diode	SVC253	R	56		RS1/16S823J
L	2	Coil	CTC1108	R	61		RS1/16S392J
				R	62		RS1/16S393J
D	8	Diode	KV1410-F1				
D	201	Diode	MA157	R	101		RS1/16S272J
D	202	Diode	MA157	R	102		RS1/16S682J
D	231	Diode	SVC253	R	103		RS1/16S333J
L	2	Coil	CTC1108	R	104		RS1/16S334J
				R	105		RS1/16S683J
L	3	Inductor	LCTB2R2K2125				
L	4	Coil	CTC1108	R	107		RS1/16S222J
L	5	Coil	CTC1107	R	151		RS1/16S222J
L	6	Inductor	LCTBR15K1608	R	152		RS1/16S393J
L	51	Ferri-Inductor	LAU150K	R	154		RS1/16S104J
				R	155		RS1/16S273J
L	201	Ferri-Inductor	LAU4R7K				
L	202	Ferri-Inductor	LAU330K	R	156		RS1/16S243J
L	203	Inductor	CTF1287	R	157		RS1/16S203J
L	208	Inductor	LAU121K	R	160		RS1/16S222J
L	231	Inductor	LCTA3R3J3225	R	161		RS1/16S563J
				R	162		RS1/16S105J
T	31	Coil	CTE1116				
T	51	Coil	CTC1136	R	163		RS1/16S222J
TC	1	Capacitor	CCL1038	R	202		RS1/16S223J
CF	51	Ceramic Filter	CTF1292	R	203		RS1/16S225J
CF	52	Ceramic Filter	CTF1292	R	204		RS1/16S103J
				R	206		RS1/16S220J
CF	53	Ceramic Filter	CTF1292				
CF	232	Ceramic Filter	CTF1348	R	207		RS1/16S101J
X	151	Resonator 920.5kHz	CSS1365	R	208		RS1/16S102J
X	231	Crystal Resonator 10.26MHz	CSS1111	R	209		RS1/16S471J
VR	154	Semi-fixed 150kΩ(B)M	CCP1213	R	214		RS1/16S822J
				R	215		RS1/16S822J
AR	1	Capacitor with Discharge Gap	DSP-201M				
RESISTORS				R	217		RS1/16S102J
				R	231		RS1/16S272J
				R	232		RS1/16S473J
R	1		RS1/16S0R0J	R	237		RS1/16S103J
R	4		RS1/16S154J	R	238		RS1/16S104J
R	5		RS1/16S391J				
R	6		RS1/16S223J	R	239		RS1/16S104J
R	7		RS1/16S123J	R	240		RS1/16S332J
				R	241		RS1/16S202J
				R	243		RS1/16S123J
				R	244		RS1/16S103J

KEH-P6600R,KEX-P66R

====Circuit Symbol & No.===Part Name		Part No.
R	247	RS1/16S123J
CAPACITORS		
C	1	CCSQCH6R0D50
C	2	CCSRCK2R0C50
C	4	CCSRCH820J50
C	6	CCSRCH820J50
C	8	CKSRYB103K25
C	9	CKSQYB104K16
C	10	CCSRCKR50C50
C	11	CEJA1R0M50
C	12	CKSRYB222K50
C	13	CKSRYB222K50
C	14	CCSRCH220J50
C	16	CCSRCH8R0D50
C	17	CKSRYB222K50
C	18	CKSRYB103K25
C	19	CKSRYB222K50
C	20	CKSRYB222K50
C	21	CEJA100M16
C	22	CCSRTH9R0D50
C	23	CCSRTH120J50
C	24	CCSRCH471J50
C	25	CKSRYB103K25
C	31	CKSRYB103K25
C	32	CKSQYB472K50
C	33	CCSRCH5R0C50
C	34	CKSQYB104K16
C	36	CCSRRH201J50
C	51	CKSRYB223K25
C	52	CKSRYB103K25
C	54	CCSRCH470J50
C	55	CKSQYB223K25
C	56	CKSQYB104K16
C	57	CKSRYB472K50
C	58	CEJA330M10
C	59	CKSRYB103K25
C	61	CCSRCH270J50
C	62	CKSRYB103K25
C	63	CEJAR15M50
C	101	CEJANP100M10
C	102	CKSRYB182K50
C	103	CKSRYB682K25
C	104	CEJA2R2M50
C	105	CKSRYB103K25
C	106	CCSRCH151J50
C	107	CKSRYB103K25
C	151	CKSRYB472K50
C	152	CKSQYB104K16
C	153	CEJA3R3M50
C	154	CKSQYB104K16
C	157	CEJA3R3M50
C	158	CKSYB474K16
C	159	CEJA220M6R3
C	160	CKSQYB104K16
C	161	CKSQYB104K16
C	162	CEJA3R3M50
C	163	CKSRYB102K50
C	170	CCSRCH100D50
C	201	CCSRCH471J50
C	202	CCSRCH100D50
C	203	CKSRYB332K50
C	204	CKSQYB473K16
C	205	CKSQYB473K16
C	206	CKSQYB104K16
C	207	CCSRCH560J50
C	209	CKSQYB104K16
C	211	CCSRCH101J50

====Circuit Symbol & No.===Part Name		Part No.
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C	212	CEJA470M6R3
C	213	CKSRYB103K25
C	216	CCSRCH101J50
C	217	CEJA1R5M50
C	219	CCSRCH471J50
C	220	CKSRYB103K25
C	230	CKSRYB103K25
C	231	CCSRCH330J50
C	232	CCSRCH150J50
C	233	CKSQYB104K16
C	234	CEJA330M10
C	235	CKSRYB332K50
C	236	CKSQYB473K16
C	237	CCSRCH120J50
C	239	CKSRYB472K50
C	240	CEJAR47M50
C	241	CKSQYB104K16
C	242	CEJAR47M50
C	243	CEJAR33M50
C	244	CKSQYB473K16
C	245	CKSRYB123K25
C	246	CKSQYB473K16
C	250	CCSRCH471J50

A Unit Number :CWM5318(KEH-P6600R/EW)
Unit Name :Tuner Amp Unit

MISCELLANEOUS

IC	201	IC	SN761027DL
IC	261	IC	TA2050S
IC	271	IC	CA0008AM
IC	401	IC	PM2005B
IC	551	IC	See Contrast Table
IC	631	IC	PD4773A
IC	632	IC	S-80734ANDYI
IC	661	IC	TPD1018F
IC	701	IC	PMW001B
IC	733	IC	NJM2903M
Q	251	Transistor	DTC114TK
Q	252	Transistor	DTC114TK
Q	253	Transistor	DTA124EK
Q	281	Transistor	2SA1037K
Q	282	Transistor	DTC114EK
Q	301	Transistor	See Contrast Table
Q	302	Transistor	DTC124EK
Q	353	Transistor	DTA124EK
Q	354	Transistor	IMH3A
Q	402	Transistor	2SC2412K
Q	404	Transistor	2SC2412K
Q	405	Transistor	DTC143EK
Q	410	Transistor	DTC114TK
Q	411	Transistor	DTC114TK
Q	412	Transistor	DTC114TK
Q	413	Transistor	2SD1757K
Q	414	Transistor	2SD1757K
Q	415	Transistor	2SC2412K
Q	601	Transistor	2SC2412K
Q	602	Transistor	2SC2412K
Q	603	Transistor	2SC2412K
Q	621	Transistor	2SD1760F5
Q	622	Transistor	2SA1037K
Q	623	Transistor	DTC114EK
Q	624	Transistor	2SD2395
Q	625	Transistor	2SA1150
Q	626	Transistor	DTC124EK
Q	627	Transistor	2SA1150
Q	628	Transistor	DTC124EK
Q	631	Transistor	DTC124EK

KEH-P6600R,KEX-P66R

====Circuit Symbol & No.===Part Name			Part No.	====Circuit Symbol & No.===Part Name			Part No.
Q	641	Transistor	2SD1189	R	216		RS1/10S151J
Q	642	Transistor	2SA1037K	R	241		RS1/10S0R0J
Q	643	Transistor	DTC114EK	R	242		RS1/10S0R0J
Q	644	Transistor	DTC114EK	R	245		RS1/10S0R0J
Q	645	Transistor	2SC3295	R	246		RS1/10S0R0J
Q	646	Transistor	2SB1243	R	247		See Contrast Table
Q	647	Transistor	DTC143EK	R	248		See Contrast Table
Q	648	Transistor	2SA1037K	R	251		RS1/10S821J
Q	801	Transistor	2SC2458	R	252		RS1/10S821J
D	405	Diode	MA152K	R	253		RS1/10S104J
D	406	Diode	MA152K	R	254		RS1/10S104J
D	601	Diode	HZS7L(C2)	R	261		RS1/10S181J
D	602	Diode	MA3062(M)	R	262		RS1/10S181J
D	603	Diode	ERA15-02VH	R	263		RS1/10S223J
D	621	Diode	ERA15-02VH	R	264		RS1/10S223J
D	622	Diode	ERA15-02VH	R	265		RS1/10S102J
D	623	Diode	ERA15-02VH	R	266		RS1/10S102J
D	624	Diode	MA3056(H)	R	271		RS1/10S102J
D	625	Diode	MA3091(L)	R	272		RS1/10S102J
D	631	Diode	1SS270	R	273		RS1/10S473J
D	641	Diode	MA153	R	274		RS1/10S473J
D	642	Diode	MA153	R	275		RS1/10S101J
D	643	Diode	MA153	R	276		RS1/10S101J
D	644	Diode	MA3062(M)	R	277		RS1/10S620J
D	645	Diode	MA3075(L)	R	278		RS1/10S102J
D	646	Diode	MA3043(H)	R	281		RS1/10S223J
D	647	Diode	MA152WK	R	282		RS1/10S472J
D	661	Diode	ERA15-02VH	R	283		RS1/10S222J
D	663	Diode	ERA15-02VH	R	284		RS1/10S102J
D	671	Diode	MA152K	R	301		See Contrast Table
D	801	Diode	HZS9L(A2)	R	302		See Contrast Table
D	802	Diode	1SS270	R	303		See Contrast Table
D	803	Diode	1SS270	R	304		See Contrast Table
L	271	Ferri-Inductor	LAU2R2K	R	305		RS1/10S182J
L	401	Ferri-Inductor	LAU2R2K	R	306		See Contrast Table
L	403	Ferri-Inductor	LAU2R2K	R	307		RS1/10S102J
L	631	Ferri-Inductor	LAU2R2K	R	351		RS1/10S473J
L	632	Ferri-Inductor	LAU101K	R	352		RS1/10S473J
L	641	Ferri-Inductor	LAU2R2K	R	353		RS1/10S821J
L	701	Ferri-Inductor	LAU101K	R	354		RS1/10S821J
X	401	Crystal Resonator 7.200MHz	CSS1379	R	402		RS1/10S272J
X	631	Ceramic Resonator 6.29MHz	CSS1310	R	403		RS1/10S272J
X	701	Crystal Resonator 4.332MHz	CSS1056	R	404		RS1/10S222J
S	631	Switch	CSG1020	R	405		RS1/10S222J
VR	401	Semi-fixed 22kΩ(B)	CCP1321	R	406		RS1/10S102J
FU	641	0.4A Fuse	ICP-N10	R	410		RS1/10S681J
BZ	631	Buzzer	CPV1011	R	411		RS1/10S682J
		FM/AM Tuner Unit	CWE1416	R	412		RS1/10S0R0J
				R	413		RS1/10S102J
				R	414		RS1/10S472J
RESISTORS							
R	201		RS1/10S222J	R	415		RS1/10S682J
R	202		RS1/10S222J	R	416		RS1/10S472J
R	203		RS1/10S223J	R	418		RS1/10S561J
R	204		RS1/10S223J	R	419		RS1/10S103J
R	205		RS1/10S332J	R	420		RS1/10S152J
R	206		RS1/10S332J	R	421		RS1/10S392J
R	207		RS1/10S122J	R	422		RS1/10S392J
R	208		RS1/10S122J	R	423		RS1/10S272J
R	209		RS1/10S472J	R	427		RS1/10S473J
R	210		RS1/10S472J	R	428		RS1/10S562J
R	211		RS1/10S472J	R	431		RS1/10S473J
R	212		RS1/10S472J	R	432		RS1/10S472J
R	213		RS1/10S272J	R	433		RS1/10S473J
R	214		RS1/10S272J	R	434		RS1/10S102J
R	215		RS1/10S151J	R	435		RS1/10S102J

KEH-P6600R,KEX-P66R

====Circuit Symbol & No.===Part Name		Part No.	====Circuit Symbol & No.===Part Name		Part No.
R	436	RS1/10S102J	R	662	RS1/10S223J
R	437	RS1/10S102J	R	665	RS1/10S103J
R	438	RS1/10S102J	R	671	RS1/10S473J
R	439	RS1/10S472J	R	672	RS1/10S473J
R	442	RS1/10S102J	R	673	RS1/10S473J
R	446	RS1/10S393J	R	674	RS1/10S473J
R	447	RS1/10S103J	R	675	RS1/10S473J
R	449	RS1/10S102J	R	676	RS1/10S473J
R	450	RS1/10S0R0J	R	679	RA4C222J
R	451	RS1/10S473J	R	680	RA3C222J
R	452	RS1/10S0R0J	R	681	RA4C681J
R	469	RS1/10S0R0J	R	683	RS1/10S222J
R	471	RS1/10S103J	R	684	RS1/10S222J
R	472	RS1/10S223J	R	688	RS1/10S473J
R	474	RS1/10S472J	R	692	RS1/10S102J
R	475	RS1/10S224J	R	694	RD1/4PU102J
R	476	RS1/10S224J	R	695	RS1/10S222J
R	477	RS1/10S224J	R	696	RD1/4PU102J
R	478	RS1/10S105J	R	698	RS2PMF220J
R	479	RS1/10S103J	R	699	RD1/4PU152J
R	480	RS1/10S222J	R	702	RS1/10S333J
R	481	RS1/10S0R0J	R	703	RS1/10S0R0J
R	601	RS1/10S223J	R	704	RS1/10S102J
R	602	RS1/10S473J	R	705	RS1/10S102J
R	603	RS1/10S473J	R	706	RS1/10S102J
R	604	RS1/10S223J	R	707	RS1/10S102J
R	605	RS1/10S473J	R	708	RS1/10S102J
R	606	RS1/10S473J	R	709	RS1/10S102J
R	607	RS1/10S103J	R	715	RS1/10S562J
R	608	RS1/10S103J	R	716	RS1/10S104J
R	609	RS1/10S473J	R	717	RS1/10S104J
R	610	RS1/10S473J	R	718	RS1/10S102J
R	621	RS1/10S101J	R	725	RS1/10S562J
R	622	RS1/10S472J	R	726	RS1/10S222J
R	623	RS1/10S473J	R	728	RS1/10S473J
R	624	RS1/10S472J	R	731	RS1/10S681J
R	625	RS1/10S471J	R	732	RS1/10S684J
R	626	RS1/10S103J	R	733	RS1/10S222J
R	627	RS1/10S222J	R	734	RS1/10S222J
R	628	RS1/10S103J	R	735	RS1/10S562J
R	629	RS1/10S222J	R	801	RS1/10S223J
R	631	RS1/10S473J	R	802	RS1/10S103J
R	633	RS1/10S473J	R	803	RS1/10S472J
R	636	RS1/10S473J			
R	637	RS1/10S152J		CAPACITORS	
R	638	RS1/10S152J	C	201	CEJA4R7M35
R	639	RS1/10S822J	C	202	CEJA4R7M35
R	640	RS1/10S472J	C	203	CEJA4R7M35
R	641	RS1/10S472J	C	204	CEJA4R7M35
R	642	RS1/10S472J	C	205	CEJANP4R7M16
R	643	RS1/10S222J	C	206	CEJANP4R7M16
R	644	RS1/10S472J	C	207	CEJANP100M10
R	645	RS1/10S472J	C	208	CEJANP100M10
R	646	RS1/10S222J	C	209	CKSQYB822K50
R	647	RS2PMF6R8J	C	210	CKSQYB822K50
R	648	RS1/4S681J	C	211	CEJA1R0M50
R	650	RS1/10S473J	C	212	CEJA1R0M50
R	651	RS1/10S472J	C	217	CKSQYB183K50
R	653	RS1/10S471J	C	218	CKSQYB183K50
R	654	RS1/10S102J	C	219	CKSQYB102K50
R	655	RS1/10S224J	C	220	CKSQYB102K50
R	656	RS1/10S204J	C	221	CEJANP2R2M35
R	657	RS1/10S222J	C	222	CEJANP2R2M35
R	658	RD1/4PU152J	C	223	CKSQYB333K50
R	661	RS1/10S222J	C	224	CKSQYB333K50

KEH-P6600R,KEX-P66R

====Circuit Symbol & No.===Part Name		Part No.	====Circuit Symbol & No.===Part Name		Part No.
C	227	CEJA220M16	C	437	CKSQYB223K50
C	228	CEJA2R2M50	C	438	CKSQYB223K50
C	231	CKSQYB104K50	C	439	CCSQCH101K50
C	232	CEJA470M10	C	440	CKSQYB223K50
C	233	CKSQYB104K50	C	441	CKSQYB471K50
C	234	CKSQYB103K50	C	442	CKSQYB103K50
C	251	CEJA2R2M50	C	443	CKSQYB103K50
C	252	CEJA2R2M50	C	444	CKSQYB103K50
C	261	CEJA1R0M50	C	449	CKSQYB332K50
C	262	CEJA1R0M50	C	450	CKSQYB102K50
C	263	CEJA1R0M50	C	451	CKSQYB102K50
C	264	CEJA1R0M50	C	601	CKSYB105K16
C	265	CEJA100M16	C	612	CEJA100M16
C	266	CEJA100M16	C	621	CCH1201
C	271	CKSQYB102K50	C	622	CKSQYB103K50
C	281	CKSQYB104K50	C	623	CEJA470M10
C	282	CKSQYB102K50	C	624	CEJA101M10
C	301	See Contrast Table	C	625	CKSQYB103K50
C	302	See Contrast Table	C	626	CKSQYB473K50
C	303	See Contrast Table	C	627	CEJA101M10
C	304	See Contrast Table	C	635	CEJA4R7M35
C	305	See Contrast Table	C	636	CKSQYB103K50
C	306	See Contrast Table	C	637	CKSQYB103K50
C	307	See Contrast Table	C	640	CEJA2R2M50
C	308	See Contrast Table	C	641	CCSQCH101K50
C	311	See Contrast Table	C	642	CCSQCH101K50
C	312	See Contrast Table	C	643	CEAS471M10
C	313	See Contrast Table	C	644	CKSQYB103K50
C	314	See Contrast Table	C	645	CCSQCH101K50
C	321	CKSQYB104K50	C	661	CKSQYB473K50
C	322	4700μF/16V	C	671	CEJA100M16
C	323	See Contrast Table	C	674	CCSQCH101K50
C	324	See Contrast Table	C	676	CCSQCH101K50
C	325	See Contrast Table	C	677	CCSQCH101K50
C	326	See Contrast Table	C	678	CKSQYB102K50
C	351	CEJA2R2M50	C	679	CKSYB102K50
C	352	CEJA2R2M50	C	701	CKSQYB104K50
C	401	CKSQYB223K50	C	702	CKSQYB222K50
C	402	CKSQYB273K50	C	703	CKSQYB104K50
C	403	CKSQYB103K50	C	704	CKSYB105K16
C	404	CKSQYB223K50	C	705	CKSQYB104K50
C	406	CKSQYB102K50	C	706	CKSQYB472K50
C	408	CEJA220M16	C	707	CEJA4R7M35
C	410	CKSQYB103K50	C	708	CKSQYB104K50
C	411	CEJA220M6R3	C	709	CCSQCH220J50
C	412	CEJA220M16	C	710	CCSQCH220J50
C	413	CKSQYB103K50	C	711	CKSQYB104K50
C	414	4.7μF/16V	C	712	CKSQYB223K50
C	416	CKSQYB103K50	C	714	CEJA4R7M35
C	417	CKLSR473K16	C	735	CKSQYB102K50
C	418	CKSQYB103K50	C	736	CEJA4R7M35
C	420	CKSQYB103K50	C	737	CKSQYB103K50
C	421	CKSQYB103K50	C	405	CKSRYB333K16
C	422	CEJA220M6R3	<div>Keyboard Unit</div> <div>Consists of</div> <div>Keyboard PCB</div> <div>Switch PCB</div>		
C	423	CKSQYB102K50			
C	424	4.7μF/16V			
C	425	CKSQYB103K50	<div>DG</div> <div>Unit Number : CWM5348</div> <div>Unit Name : Keyboard Unit</div>		
C	426	CEJAR47M50			
C	427	CCSQCH150K50	MISCELLANEOUS		
C	428	CCSQCH150K50			
C	429	CKSQYB223K50	IC	901	IC
C	430	CKSQYB223K50	IC	902	HIC Module
C	434	CCSQCH101K50	Q	901	Transistor
C	435	CEJA2R2M50			PD6208B
C	436	CEJA2R2M50			RS-140
					2SC2712

====Circuit Symbol & No.===Part Name

Part No.

D 903 LED
D 904 LED
D 905 LED
L 901 Inductor
X 901 Ceramic Resonator 4.915MHz

CL170PGCD
CL170PGCD
CL170PGCD
LCTA4R7J3225
CSS1084

S 641 Switch
S 901 Push Switch
S 902 Push Switch
S 903 Push Switch
S 904 Push Switch

CSN1027
CSG1085
CSG1085
CSG1085
CSG1084

S 905 Push Switch
S 906 Push Switch
S 907 Push Switch
S 908 Push Switch
S 909 Push Switch

CSG1084
CSG1084
CSG1084
CSG1085
CSG1084

S 910 Push Switch
S 911 Push Switch
S 912 Push Switch
S 913 Push Switch
S 914 Switch

CSG1084
CSG1084
CSG1084
CSG1084
CSG1043

S 915 Push Switch
S 916 Push Switch
S 917 Push Switch
S 918 Push Switch
S 919 Push Switch

CSG1085
CSG1084
CSG1085
CSG1084
CSG1085

S 920
S 921 Switch
LCD 901 LCD

CSG1084
CSG1043
CAW1422

RESISTORS

R 901
R 902
R 903
R 905
R 907

RS1/10S222J
RS1/10S222J
RS1/10S472J
RS1/10S121J
RS1/10S470J

R 908
R 909
R 910
R 911
R 912

RS1/10S470J
RS1/10S2R2J
RS1/10S470J
RS1/10S470J
RS1/10S470J

R 913
R 914
R 916
R 917
R 918

RS1/10S470J
RS1/10S103J
RS1/8S152J
RS1/8S152J
RS1/8S391J

R 920
R 922
R 924
R 926
R 928

RS1/8S391J
RS1/8S391J
RS1/8S391J
RS1/8S391J
RS1/8S391J

R 930

RS1/8S391J

CAPACITORS

C 901
C 903
C 904
C 905
C 906

CSZSR100M6R3
CSZSR100M6R3
CKSQYB104K50
CKSQYB103K50
CKSQYB103K50

C 907

CKSQYB103K50



Unit Number :EWM1010
Unit Name :Deck Unit

MISCELLANEOUS

IC 251 IC
IC 351 IC
Q 271 Transistor
Q 351 Transistor
Q 352 Transistor

HA12192F
PA2020A
2SC4116
2SB1260
2SC4102

====Circuit Symbol & No.===Part Name

Part No.

Q 401 Transistor
D 351 Diode
VR 301 Semi-fixed 33kΩ(B)
VR 302 Semi-fixed 33kΩ(B)

DTC114EU
1SS355
CCP1280
CCP1280

RESISTORS

R 255
R 256
R 257
R 258
R 259

RS1/16S181J
RS1/16S181J
RS1/16S183J
RS1/16S183J
RS1/16S133J

R 260
R 261
R 262
R 271
R 275

RS1/16S133J
RS1/16S274J
RS1/16S274J
RS1/16S183J
RS1/16S473J

R 276
R 277
R 278
R 281
R 282

RS1/16S104J
RS1/16S224J
RS1/16S104J
RS1/8S0R0J
RS1/8S0R0J

R 283
R 284
R 285
R 286
R 287

RS1/8S0R0J
RS1/8S0R0J
RS1/16S0R0J
RS1/16S0R0J
RS1/16S0R0J

R 288
R 289
R 290
R 301
R 321

RS1/8S0R0J
RS1/8S0R0J
RS1/8S0R0J
RS1/16S0R0J
RS1/8S0R0J

R 351
R 352
R 353
R 354
R 355

RS1/16S102J
RS1/16S102J
RS1/16S102J
RS1/16S102J
RS1/10S274J

R 356
R 357
R 358
R 359
R 360

RS1/10S202J
RS1/10S472J
RS1/10S103J
RS1/10S103J
RS1/10S102J

R 361
R 362
R 373
R 374
R 375

RS1/10S622J
RS1/8S181J
RS1/8S0R0J
RS1/8S0R0J
RS1/8S0R0J

R 401
R 402
R 403
R 404
R 421

RS1/16S123J
RS1/16S332J
RS1/16S911J
RS1/16S274J
RS1/8S0R0J

CAPACITORS

C 251
C 252
C 253
C 254
C 255

CKSRYB391K50
CKSRYB391K50
CKSRYB391K50
CKSRYB391K50
CKSRYB103K50

C 256
C 271
C 272
C 301
C 302

CKSRYB103K50
CEJA1R0M50
CKSQYB104K16
CKSYB474K16
CKSYB474K16

C 303
C 304
C 351
C 352
C 353

CKSQYB104K16
CKSQYB104K16
CKSYB224K25
CKSQYB392K50
CKSQYB103K50

KEH-P6600R,KEX-P66R

====Circuit Symbol & No.===Part Name		Part No.
C	354	CKSQYB473K50
C	355	CKSYB104K50
C	356	CKSQYB103K50
C	401	CKSRYB472K50
C	402	CEJA1R0M50
C	403	CKSRYB223K25
C	404	CKSRYB103K50
C	405	CKSRYB333K16

E Unit Number :
Unit Name :PCB Unit

S	1	Switch (Load)	ESG1004
S	2	Switch (70μS)	ESG1004
EGN	1	Photo-Interrupter	EGN1005

F Unit Number :
Unit Name :Reel PCB

EGN	2	Photo-Interrupter	EGN1006
EGN	3	Photo-Interrupter	EGN1006

Miscellaneous Parts List

M	1	Motor Unit (Main)	EXA1491
M	2	Motor Unit (Sub)	EXA1485
HD	1	Head Assy	EXA1506

CONTRAST TABLE of TUNER AMP UNIT

KEH-P6600R/EW and KEX-P66R/EW have the same construction except for the following:

Symbol & Description		Part No.	
		KEH-P6600R/EW	KEX-P66R/EW
Tuner Amp Unit		CWM5318	CWM5442
IC 551	IC	TDA7384A	Not used
Q 301	Transistor	DTC124EK	Not used
Q 355	Transistor	Not used	IMH3A
R 247,248		RS1/10S0R0J	Not used
R 301		RS1/10S103J	Not used
R 302		RS1/10S221J	Not used
R 303		RS1/10S153J	Not used
R 304		RS1/10S103J	Not used
R 306		RS1/10S101J	Not used
R 355,356		Not used	RS1/10S821J
R 357,358		Not used	RS1/10S473J
C 301,302,303,304		CKSQYB102K50	Not used
C 305,306,307,308		CKSQYB102K50	Not used
C 311,312,313,314		CEJAR22M50	Not used
C 323		CEJA100M16	Not used
C 324,325		CEJA1R0M50	Not used
C 326		CEJA330M10	Not used
C 327		Not used	CKSYB103K50
C 354,355		Not used	CEJA2R2M50

6. ADJUSTMENT

● Connection Diagram

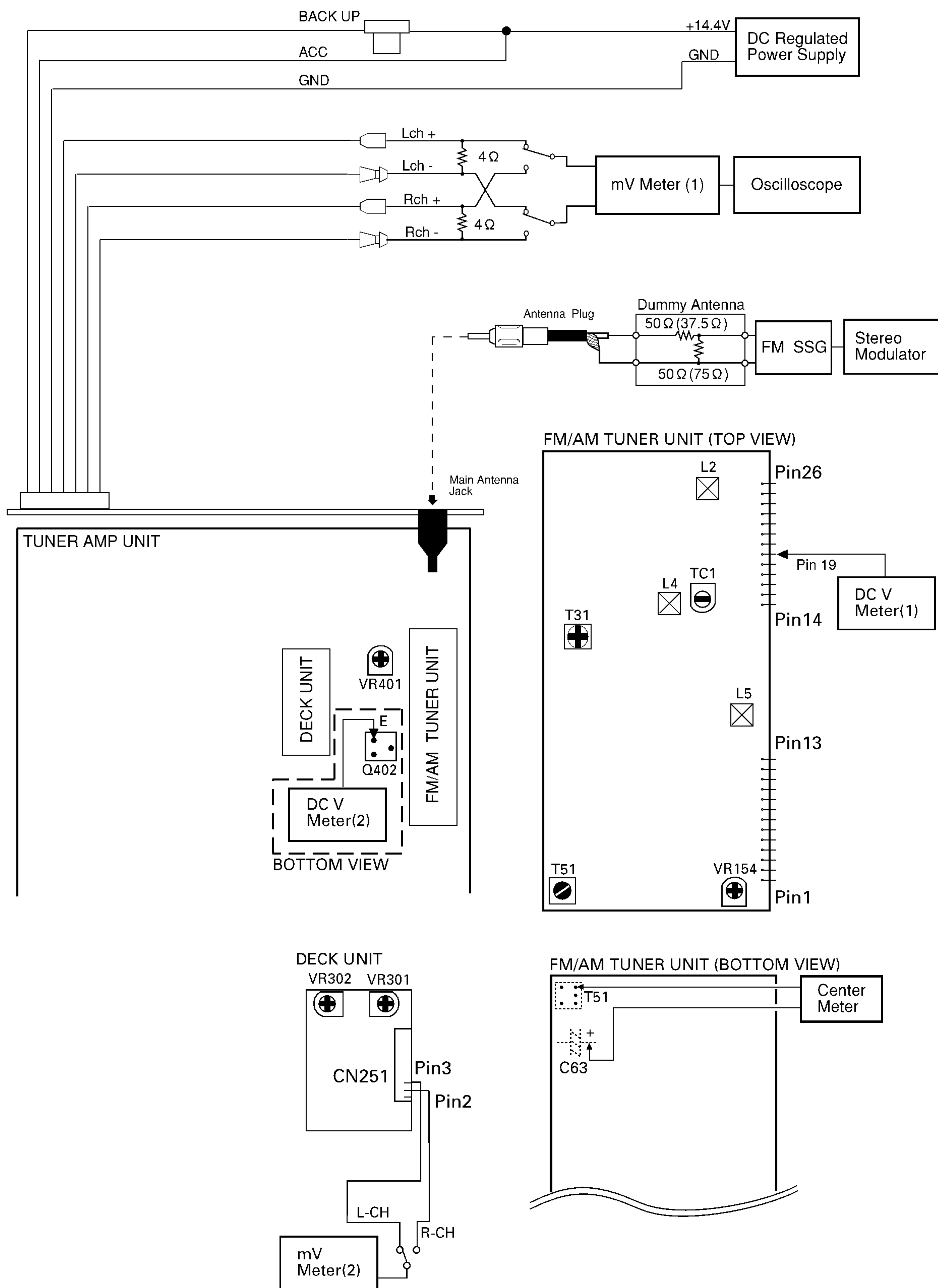


Fig. 24

KEH-P6600R,KEX-P66R

FM ADJUSTMENT

Modulation M:MONO MOD., 400Hz 30%(22.5kHz Dev.) or 400Hz 100%(75kHz Dev.)

S1:STEREO MOD., 1kHz, L or R=30%(20.25kHz+7.5kHz Dev.)

S2:STEREO MOD., 1kHz, L or R=60%(40.50kHz+7.5kHz Dev.)

NOTE:Before proceeding to further adjustments after switching power ON, let the tuner run for ten minutes to allow the circuits to stabilize.

	No.	FM SSG		Displayed Frequency(MHz)	Adjustment Point	Adjustment Method (Switch Position)
		Frequency(MHz)	Level(dBf)			
TUN Volt	1	.....	.....	108.0	L5	DC V Meter(1) : 6V
IF	2	98.1 M	60	98.1	T51	Center Meter : 0
ANT Coil	3	98.1 M	5	98.1	L2	mV Meter(1) : Maximum
RF Coil	4	98.1 M	5	98.1	L4	mV Meter(1) : Maximum
Image	5	129.3 M	60—80	107.9	TC1	mV Meter(1) : Minimum
IFT	6	98.1 M	5	98.1	T31	mV Meter(1) : Maximum (STEREO MODE)
ARC	7	98.1 S1	40	98.1	VR154	mV Meter(1) : Separation 5dB (STEREO MODE)

RDS SL ADJUSTMENT

	No.	FM SSG		Displayed Frequency(MHz)	Adjustment Point	Adjustment Method (Switch Position)
		Frequency(MHz)	Level(dBf)			
	1	104.0 S2	35	104.0	VR401	DC V Meter(2) : 1.75V±0.05V

DOLBY B NR ADJUSTMENT

No.	Test Tape	Adjustment Point	Adjustment Method (Switch Position)
1	NCT-150 (400Hz,200nwb/m)	VR301(Lch),VR302(Rch)	mV Meter(2) : -8.24dBs±1.0dB (DOLBY NR Switch : OFF)

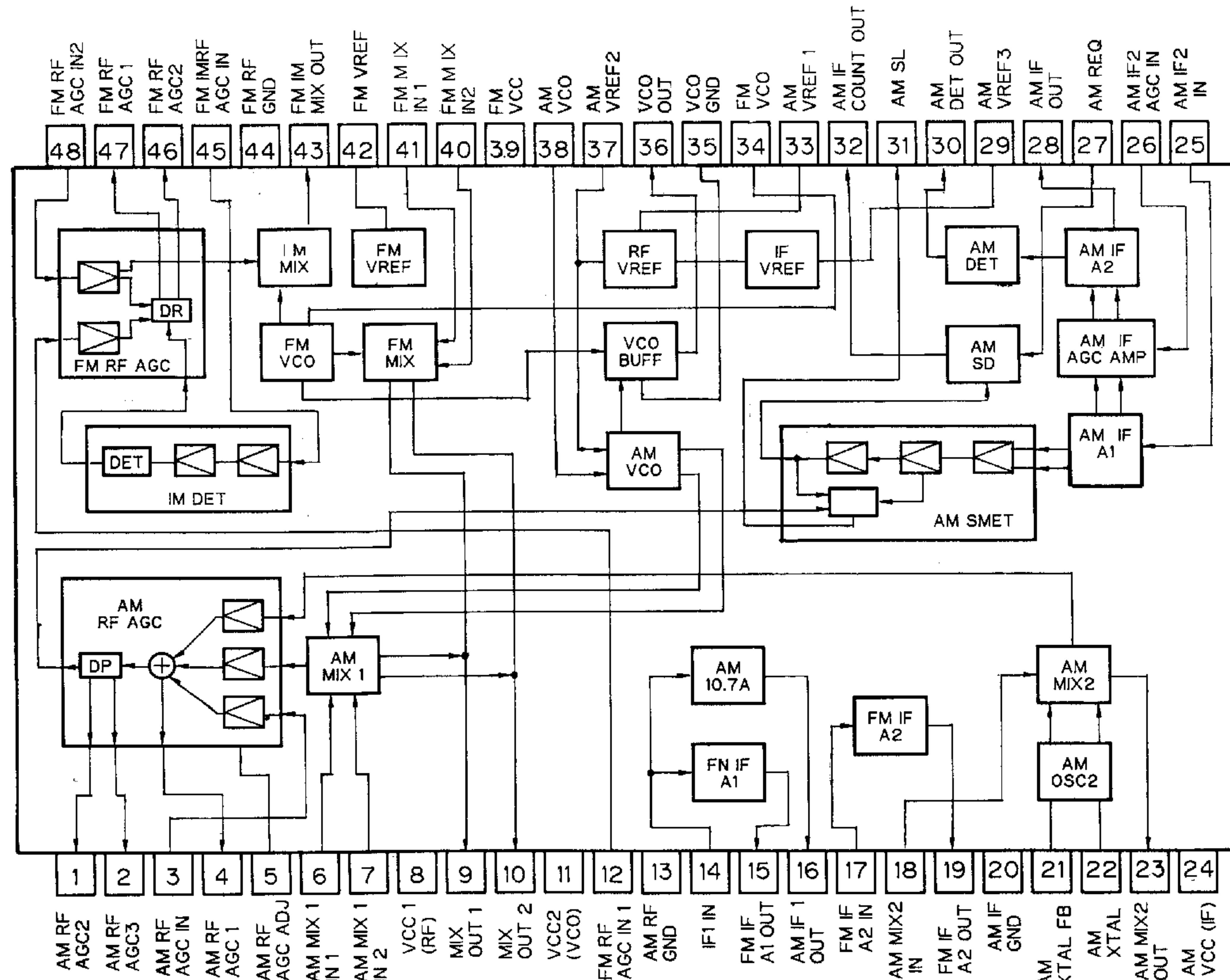
- For Repair of the Detach Grille Assy, Use the Extension-Cord Tool GGD1056.
- For Repair of the Cassette Mechanism Module, Use the Extension-Cord Tool GGD1121.

7. GENERAL INFORMATION

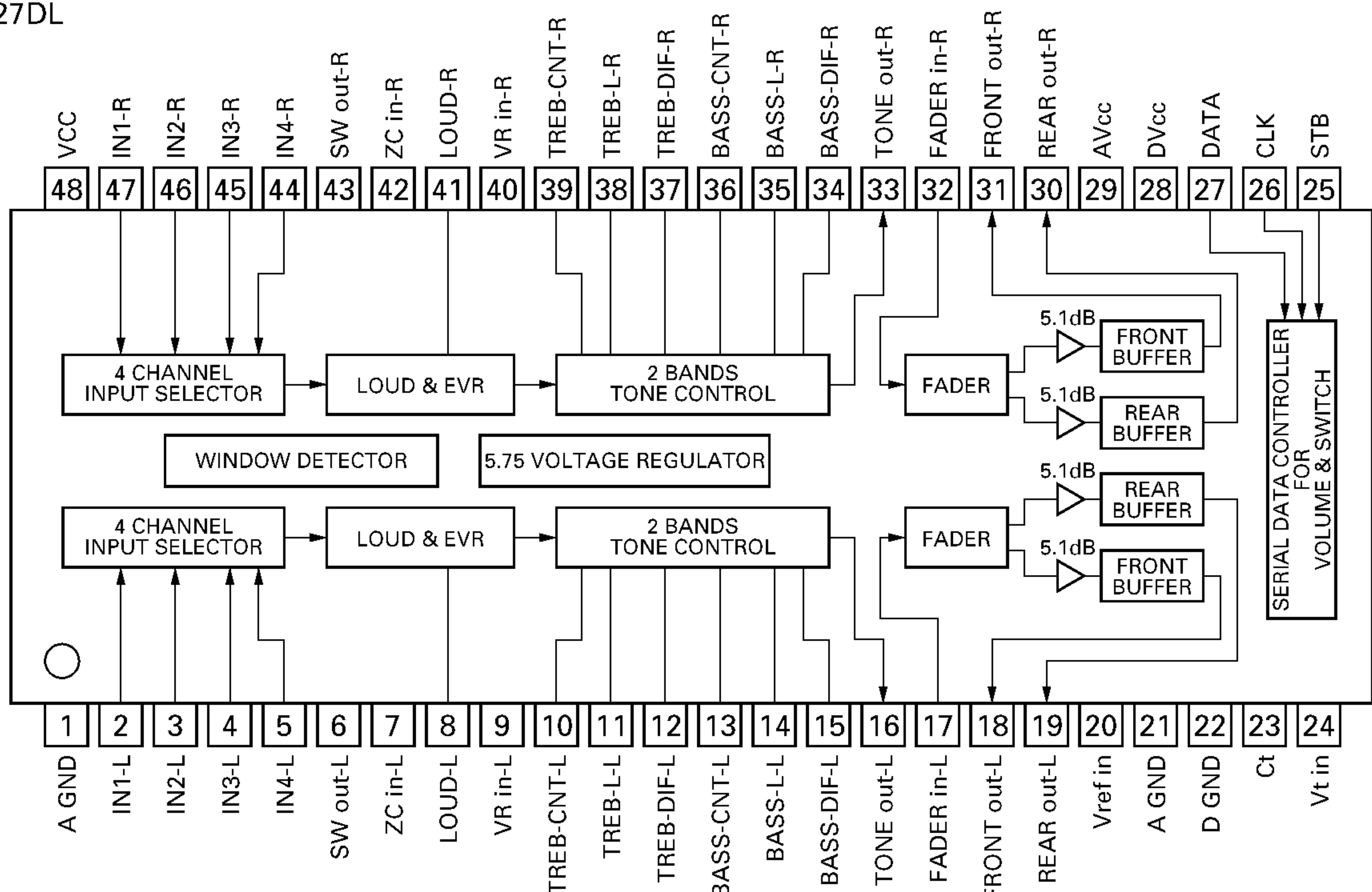
7.1 PARTS

7.1.1 IC

PA4023B



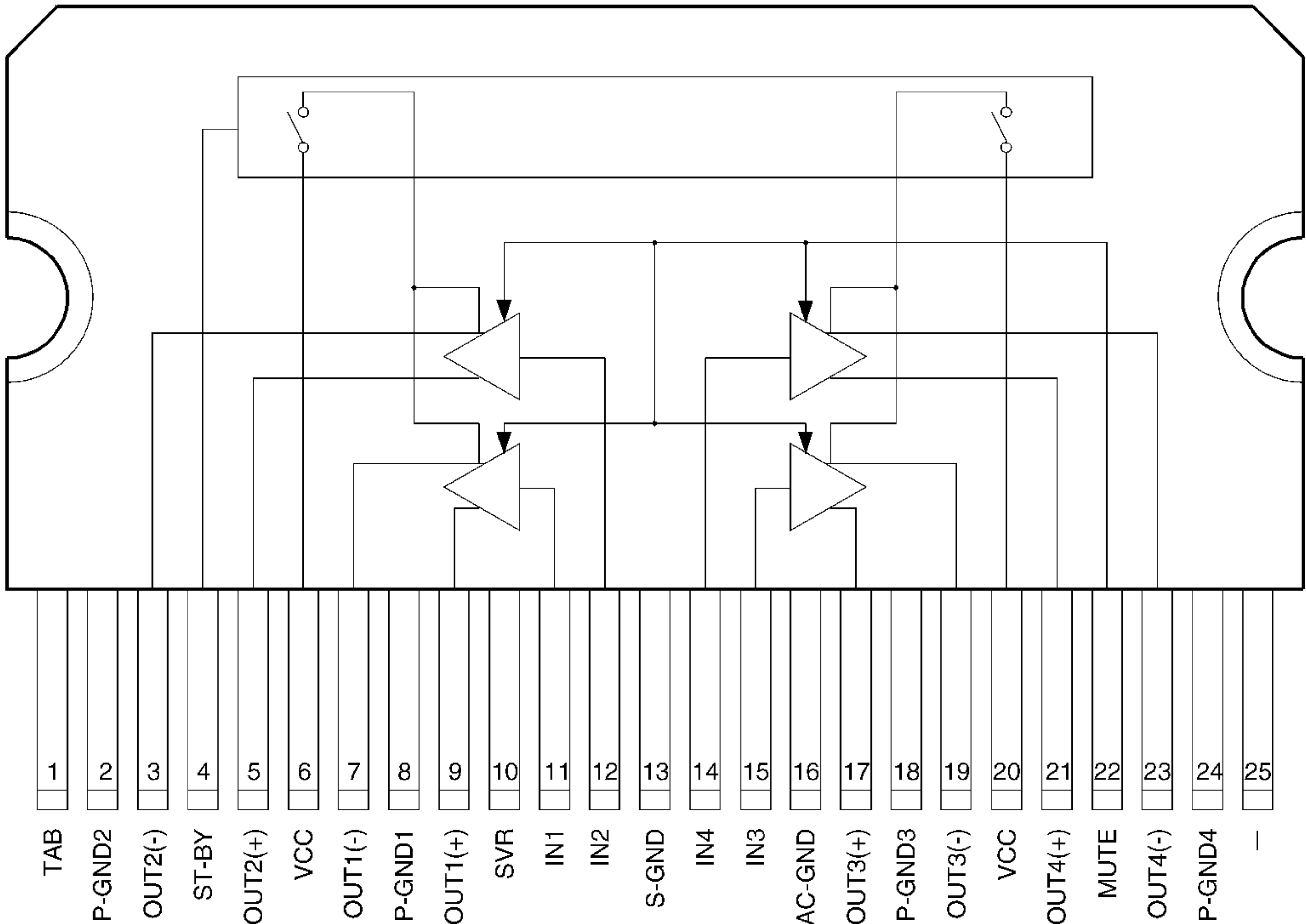
*SN761027DL



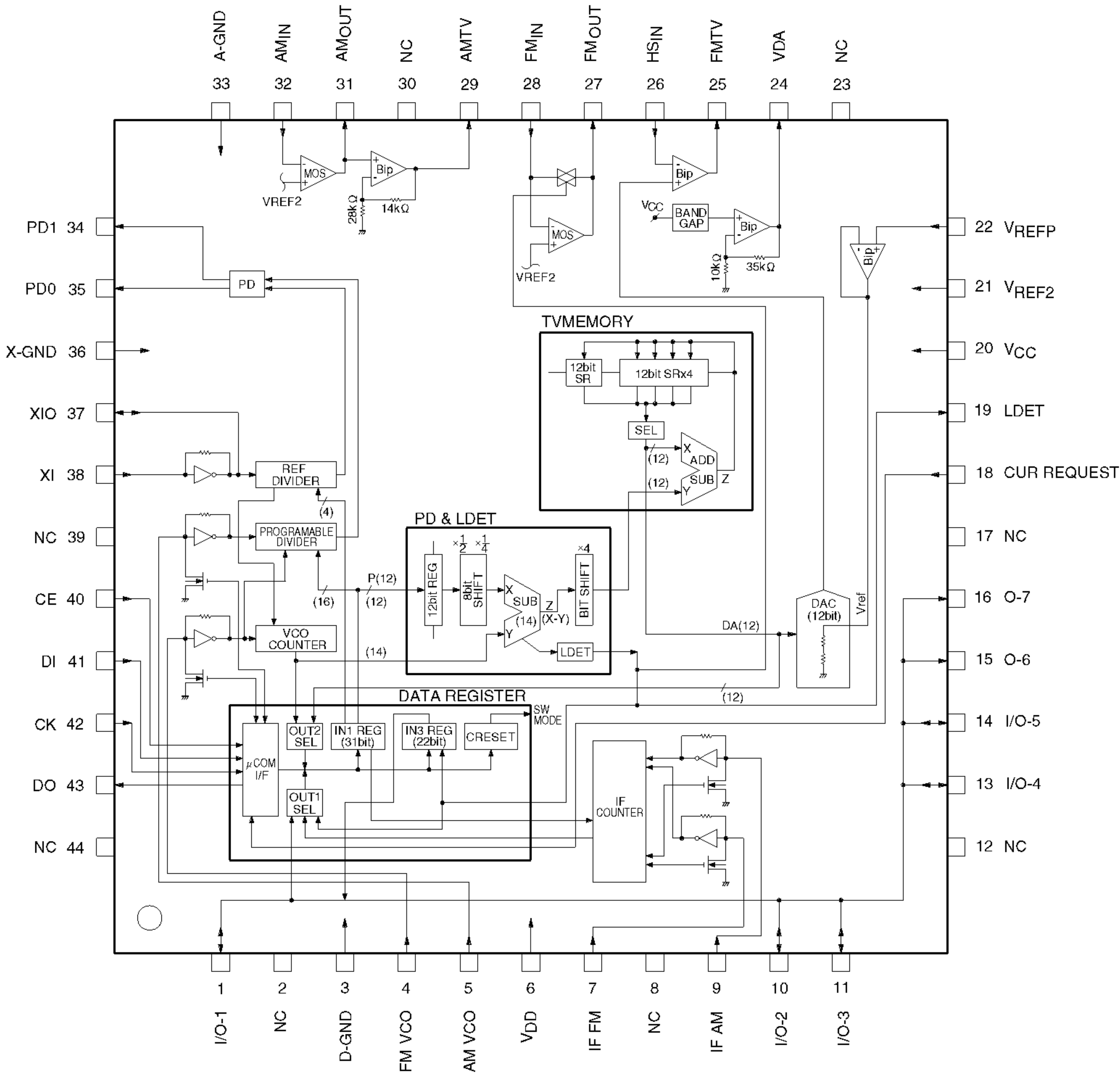
IC's marked by* are MOS type.

Be careful in handling them because they are very liable to be damaged by electrostatic induction.

TDA7384A



PM2005B



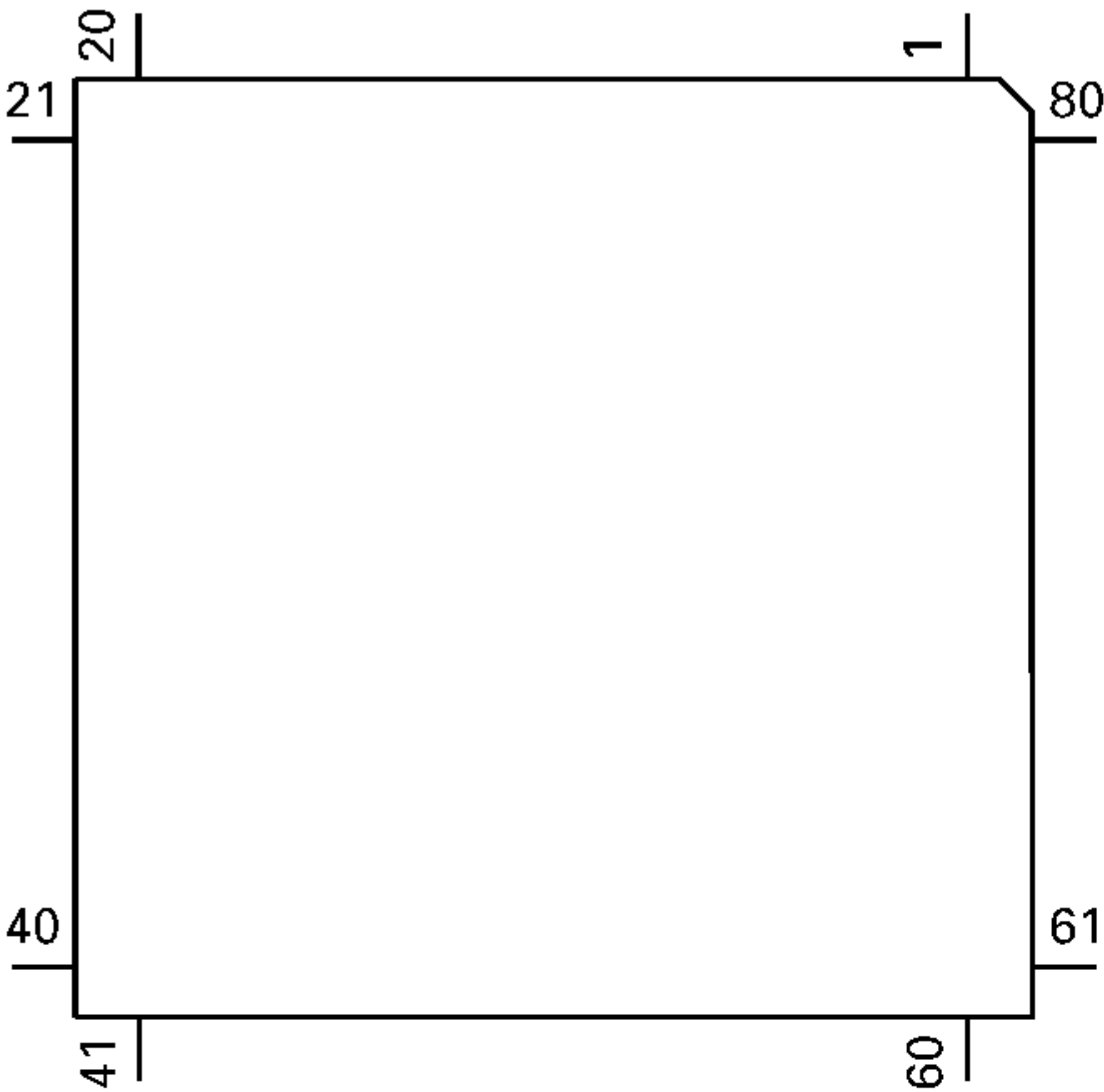
● Pin Functions(PD4773A)

Pin No.	Pin Name	I/O	Format	Function and Operation
1	CLOSE	I		Flap close sense input
2	RDT	I		FROM data input
3	RDSLK	I		RDS LK signal input
4	AVSS			A/D GND
5	DRST	O	C	Reset output
6	NC			Not used
7	AVREF1			(Connect to VDD)
8	KYDT	I		Key data input
9	DPDT	O	C	Display data output
10	SWVDD	O	C	Grille power supply control output
11	MDSENS	I		Modulation detect input
12	NC			Not used
13	CURRRQ	O	C	Tuner voltage FIX output
14	MSIN	I		MS sense input
15	MTLSW	I		Metal sense input
16	POS	I		Position sense input
17	RES	I		Cassette mechanism reverse end sense input
18	NES	I		Cassette mechanism forward end sense input
19	DIRO	O	C	Head F/R select output
20	PLAY	O	C	MS gain select output
21	DIM	O	C	Dimmer select output
22	NR	O	C	NR output
23	SC2	O	C	Cassette mechanism sub motor control output
24	SC1	O	C	Cassette mechanism sub motor control output
25	CM	O	C	Cassette mechanism capstan motor control output
26	STBY	O	C	Drive IC control output
27	LOADSW	I		Tape loading input
28	LPFSW	O	C	FIE output
29	TUNPDI	I		PLL IC data input
30	TUNPCK	O	C	PLL IC clock output
31	TUNPDO	O	C	PLL IC data output
32	TUNPCE	O	C	PLL IC chip enable output
33	VSS			GND
34	ST	I		Stereo input
35	TMUTE	O		Tuner mute output
36	SD	I		SD input
37-40	NC			Not used
41	ASENBO	O	C	Slave power supply control output
42	NC			Not used
43	AM	O	C	AM power control output
44	MUTE	O	C	Mute output
45	PEE	O	C	PEE sound output
46	VST	O	C	Electronic volume strobe pulse output
47	RDS57K	I		57kHzBP-OUT sense input
48	VCK	O	C	Electronic volume clock output
49	VDT	O	C	Electronic volume data output
50	FM	O	C	FM power control output
51	SYSPW	O	C	System power supply control output
52	NC			Pull down
53	NC			Not used
54	ISENS	I		Illumination sense input
55	NC			Not used
56	TX	O	C	IP BUS data output
57	RX	I		IP BUS data input
58,59	NC			Open
60	RESET	I		Reset input
61	LDET	I		PLL lock sense input
62	RCK	I		RDS clock input

KEH-P6600R,KEX-P66R

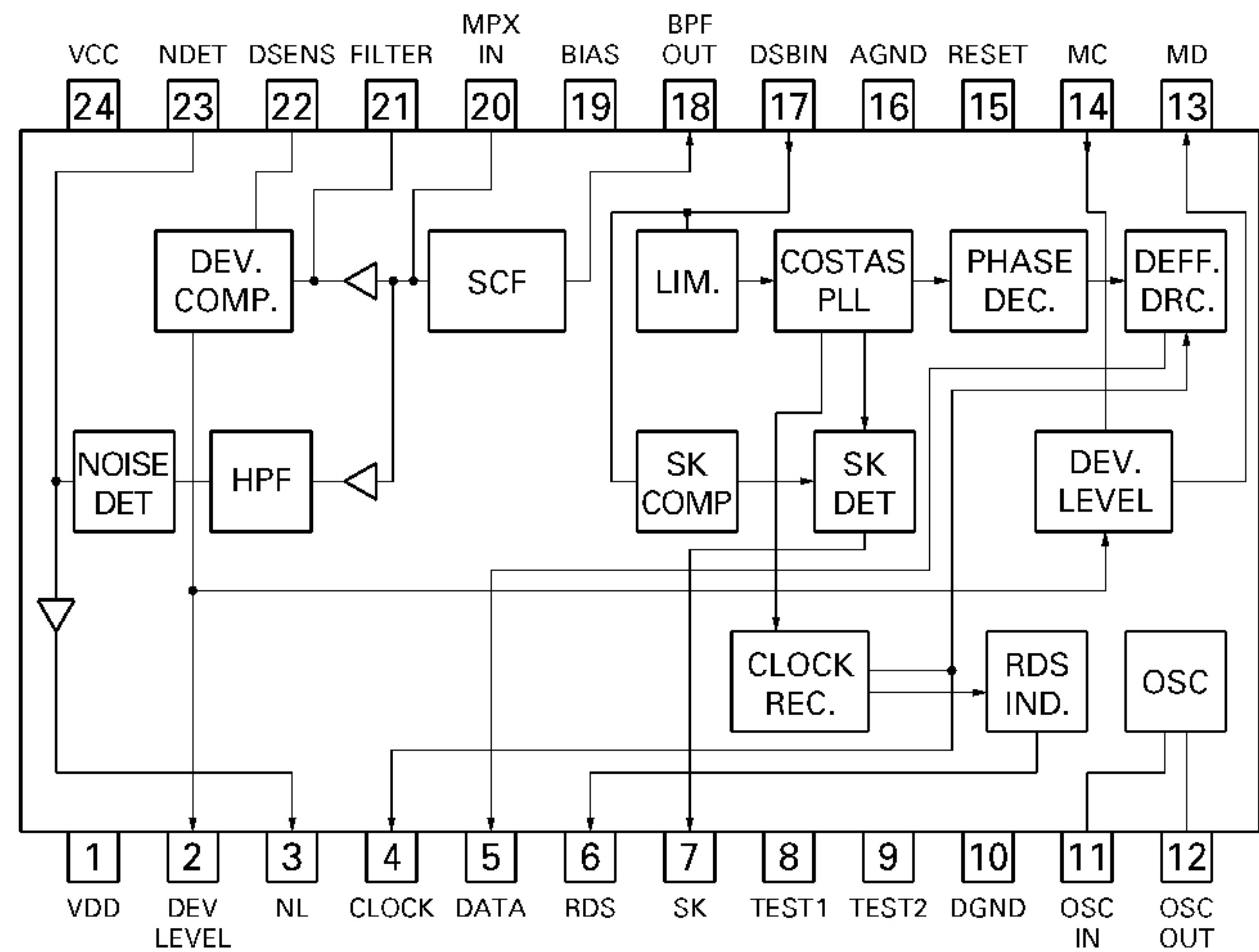
Pin No.	Pin Name	I/O	Format	Function and Operation
63	BSENS	I		Back up power sense input
64	ASENS	I		ACC power sense input
65	DSSENS	I		Grille detach sense input
66	CLKIN	I		Clock input
67	ILMPW	O	C	Illumination power supply control output
68	VDD			Power supply
69	X2			Crystal oscillator connection pin
70	X1			Crystal oscillator connection pin
71	IC			Connect to GND
72	NC			Not used
73	TESTIN	I		Test program mode input
74	AVDD	I		Positive power supply terminal for analog circuit input
75	NC			Not used
76	SL	I		Signal level input
77	NL	I		Noise level input
78	SLIN	I		RDS SL input
79	SK	I		SK signal input
80	LCDPW	O	C	LCD back light power supply control output

*PD4773A

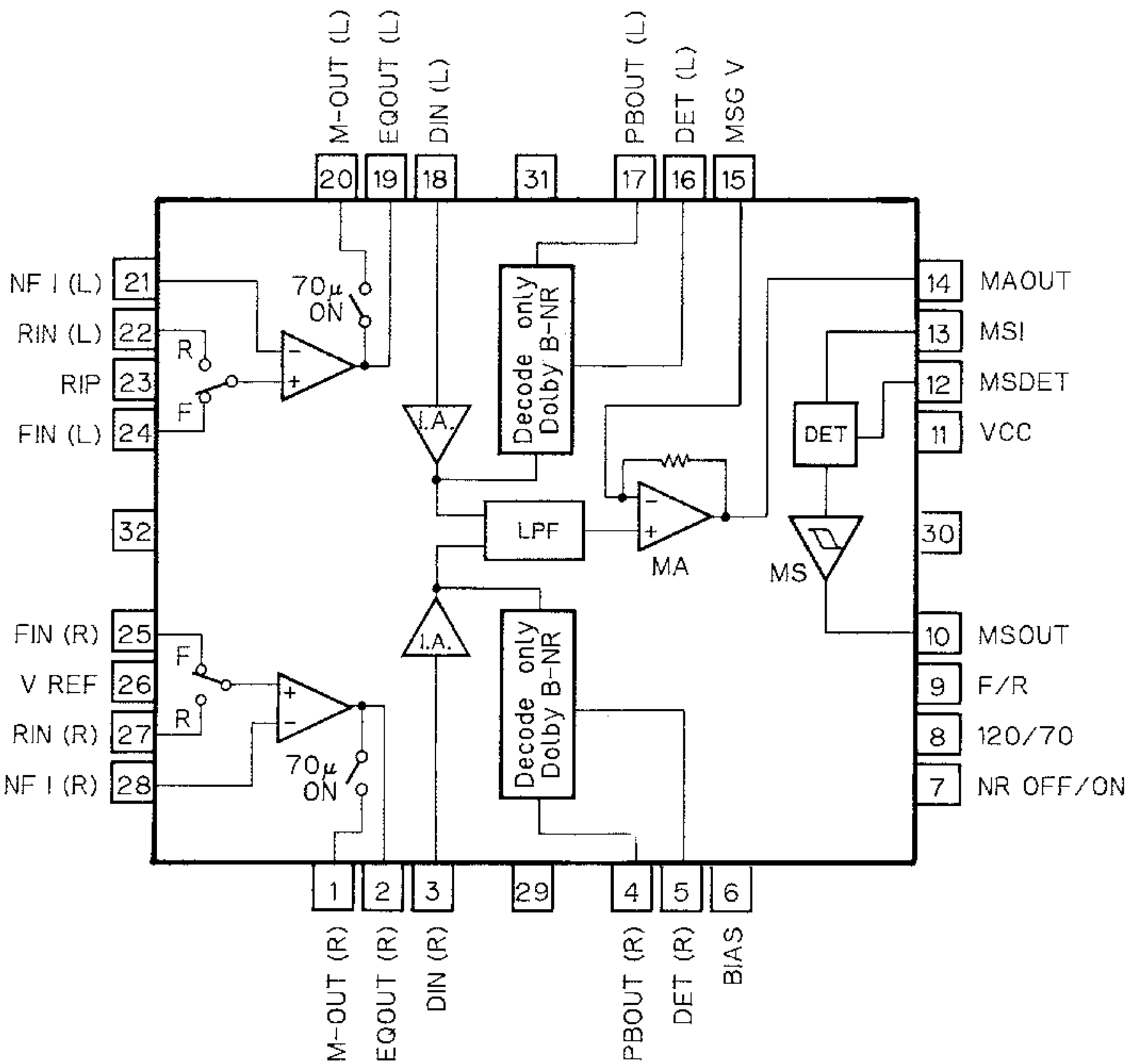


Format	Meaning
C	C MOS

PMW001B



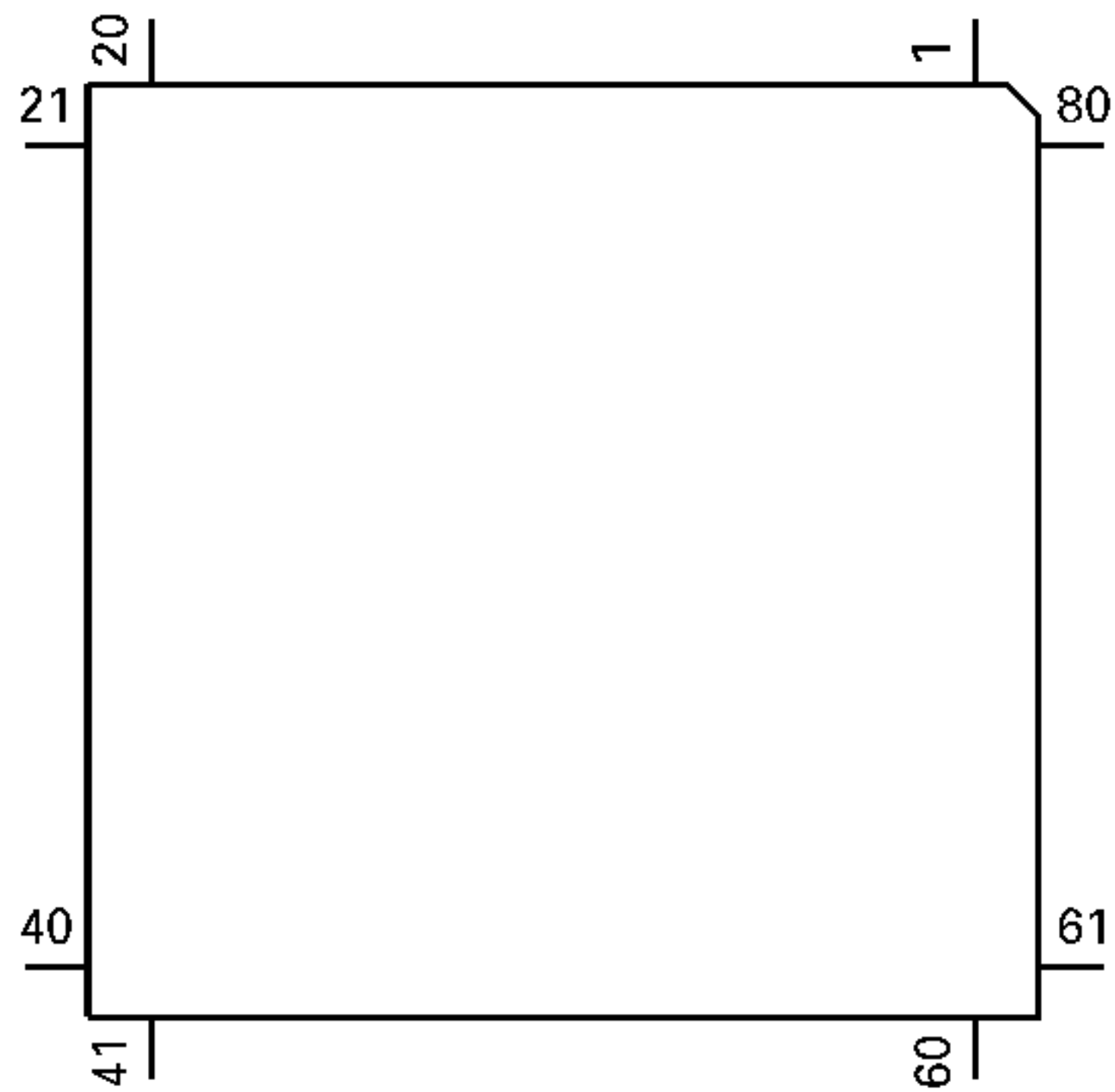
HA12192F



● Pin Functions(PD6208B)

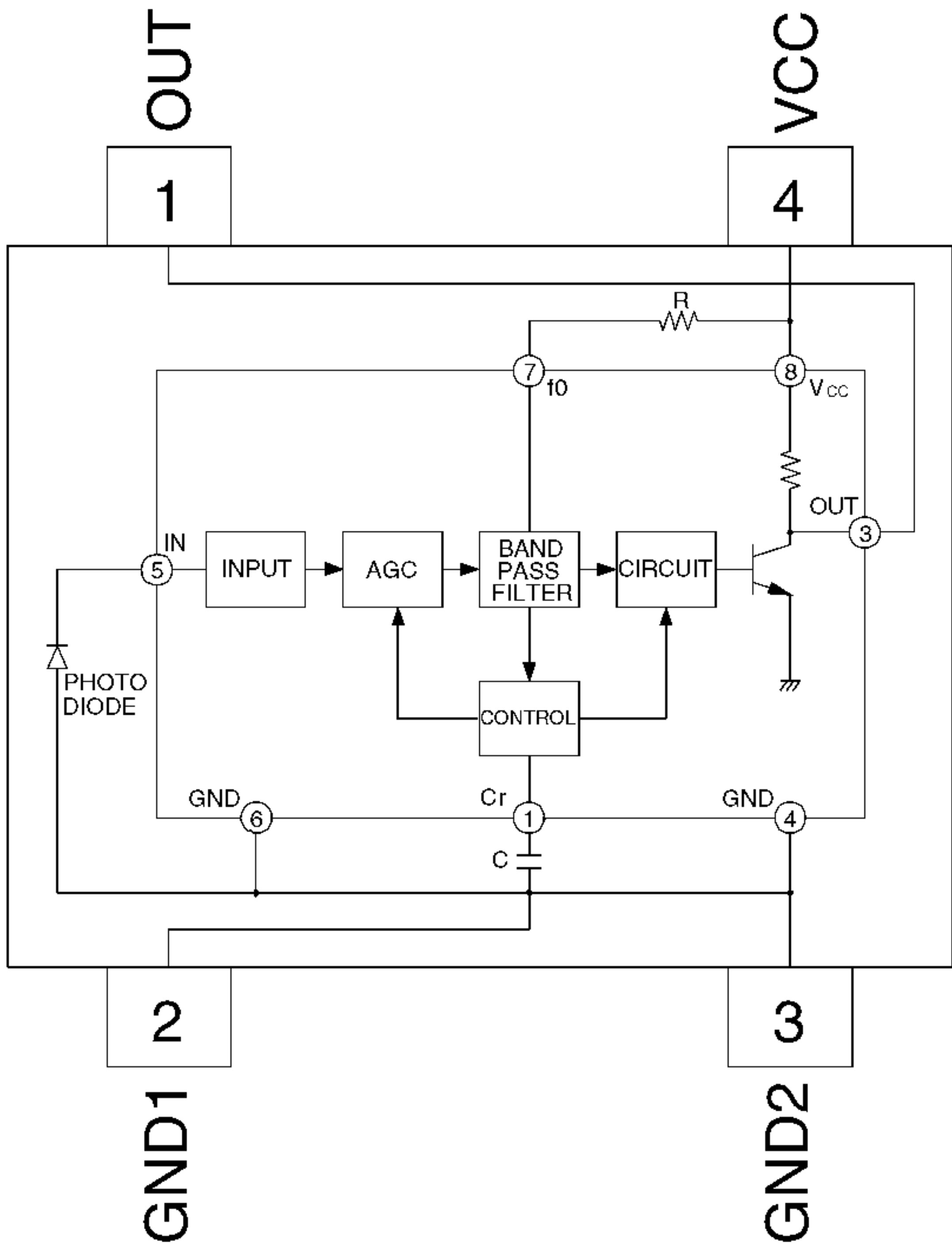
Pin No.	Pin Name	I/O	Format	Function and Operation
1	VSS			GND
2	X1			Crystal oscillator connection pin
3	X0			Crystal oscillator connection pin
4	RST	I		System reset input
5	MOD1	I		Operation mode appointment input 1
6	MOD0	I		Operation mode appointment input 0
7	LED	O	C	LED control output
8	SO	O	C	UART output
9	SI	I		UART input
10	REM	I		Remote control reception input
11,12	NC			Not used
13-16	KD4-1	I		Matrix key return input 4-1
17-22	KS6-1	O	N	Matrix key strobe output 6-1
23	VCC			5V power supply
24-73	SEG49-0	O		LCD segment signal output 49-0
74-77	COM3-0	O		LCD common signal output 3-0
78	V3			LCD bias power supply
79	V2			LCD bias power supply
80	V1			LCD bias power supply

*PD6208B



Format	Meaning
C	C MOS
N	N channel open drain

RS-140



7.1.2 DISPLAY

● CAW1422

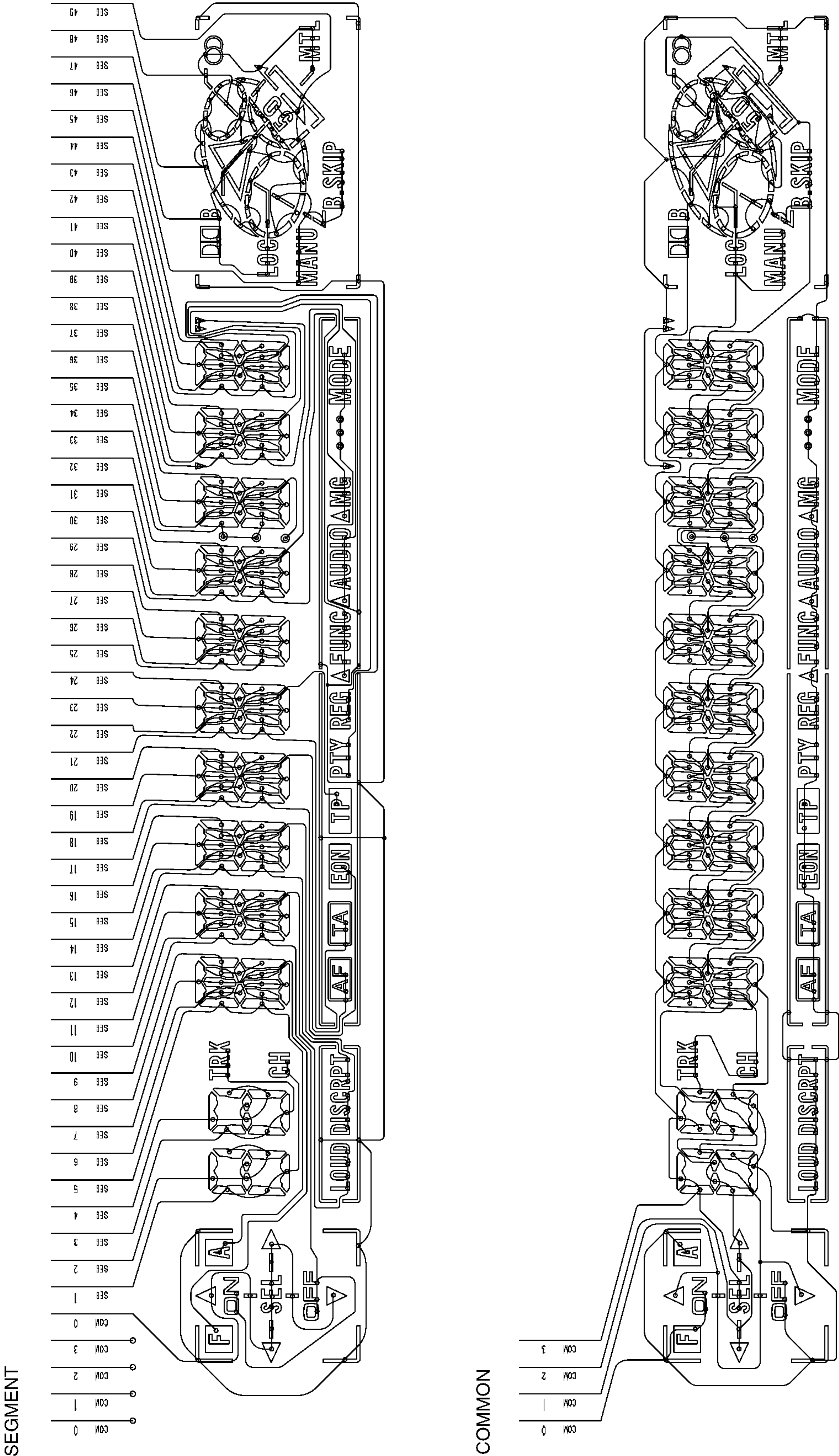


Fig. 25

7.2 DISASSEMBLY

● Removing the Case(Not shown)

1. Remove the three screws.
2. Insert and turn a flat screwdriver to remove the case.

● Removing the Cassette Mechanism Module (Not shown)

1. Remove the four screws.
2. Disconnect the connector.
3. Remove the Cassette Mechanism Module.

● Removing the Detach Grille Assy(Fig.26)

1. Remove the two screws A, and disconnect the two connectors.
2. Disengage the stoppers at four locations indicated by arrows.
3. Remove the Detach Grille Assy.

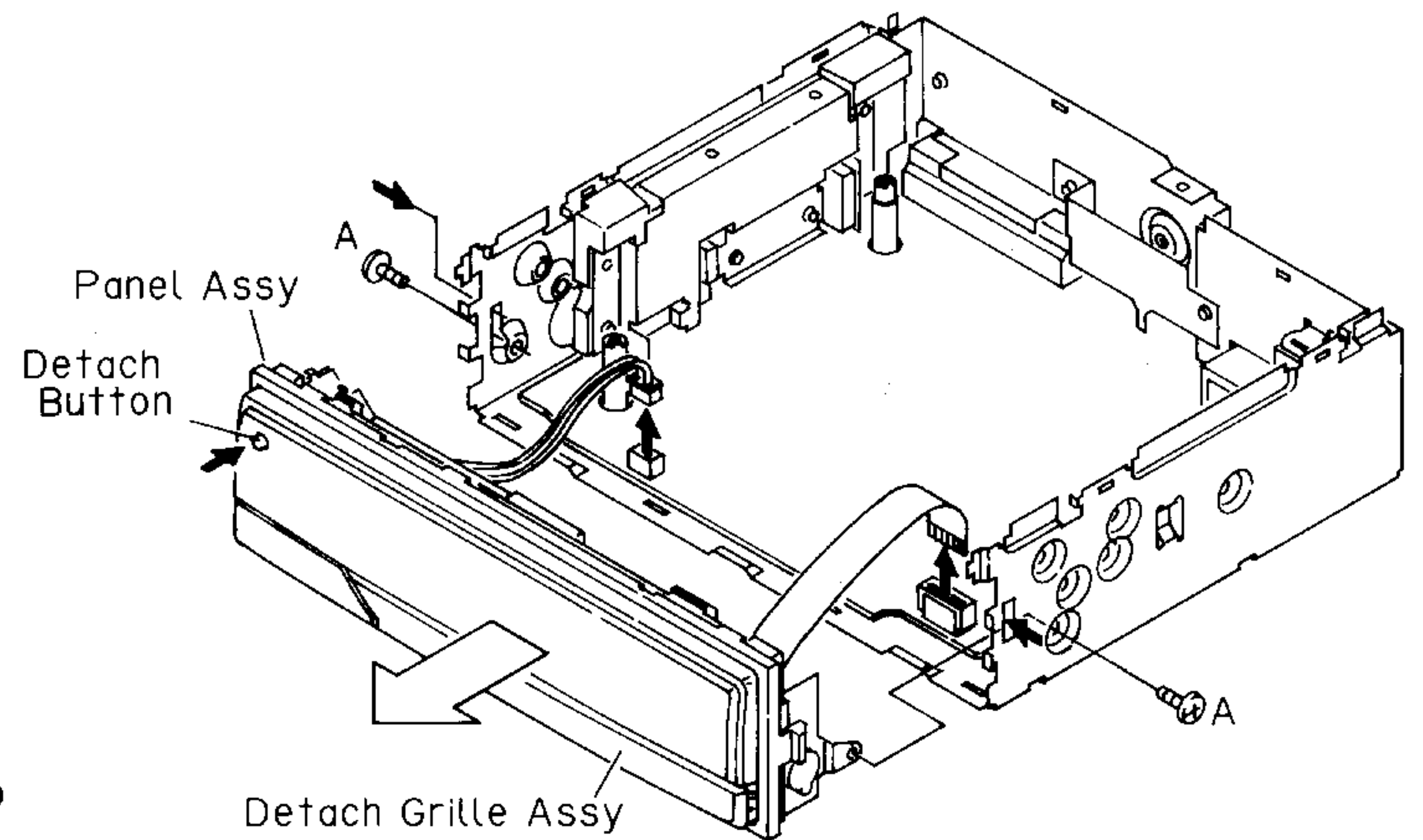


Fig. 26

● Removing the Tuner Amp Unit(Fig.27)

1. Remove the two screws B, and three screws C.
2. Unbend the tabs at three locations indicated by arrows until straight.
3. Raise up on Tuner Amp Unit.

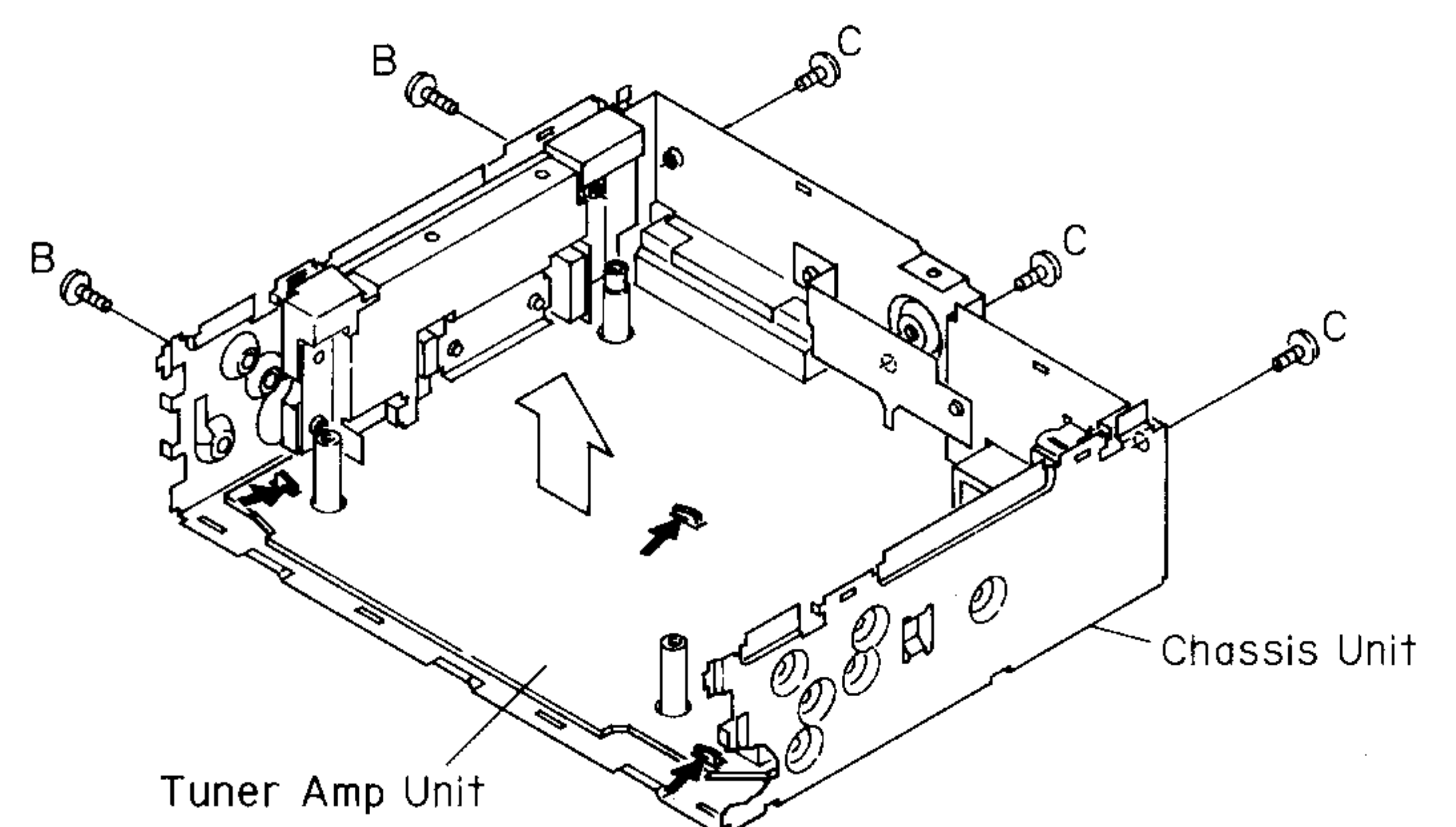
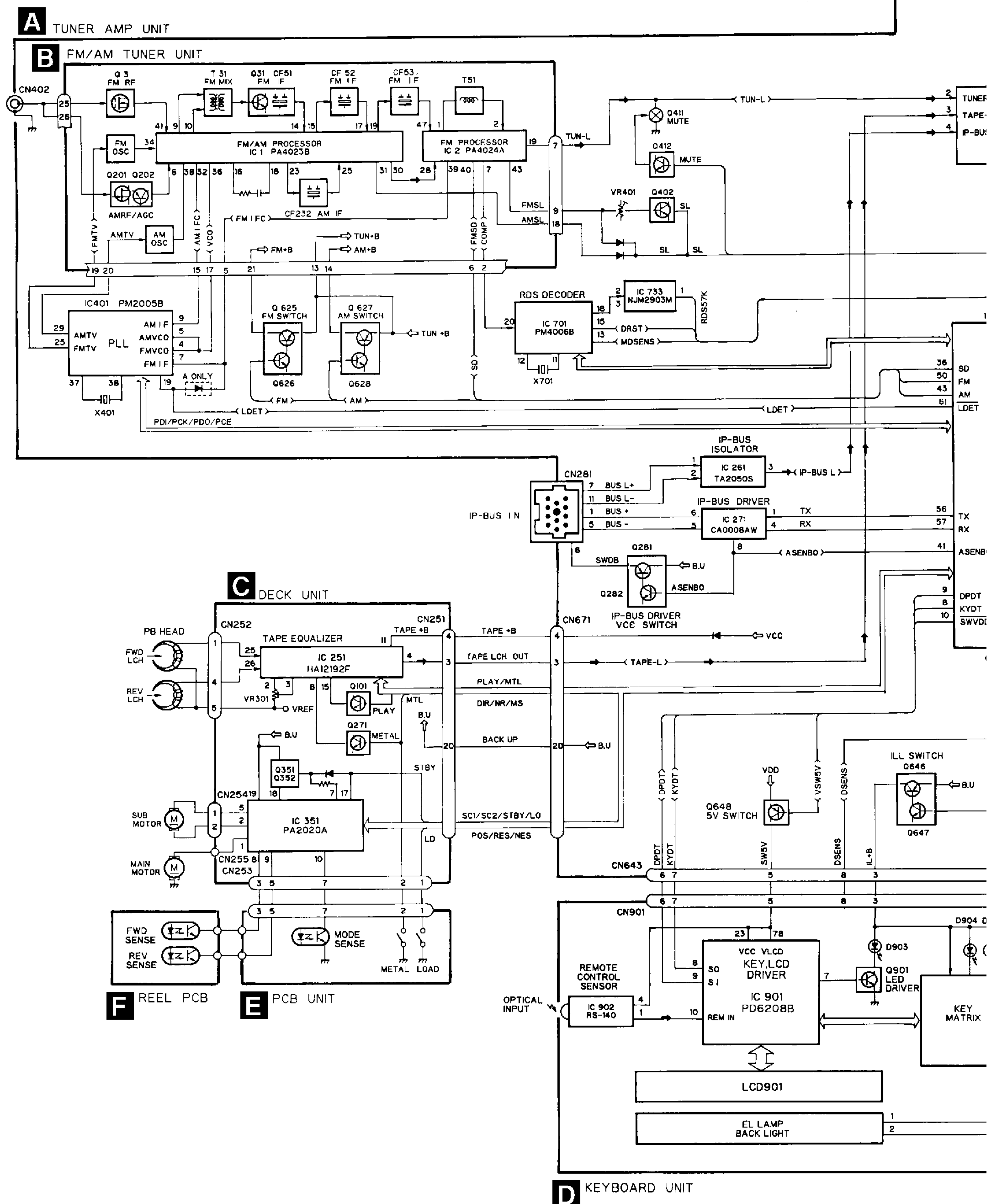


Fig. 27

7.3 BLOCK DIAGRAM



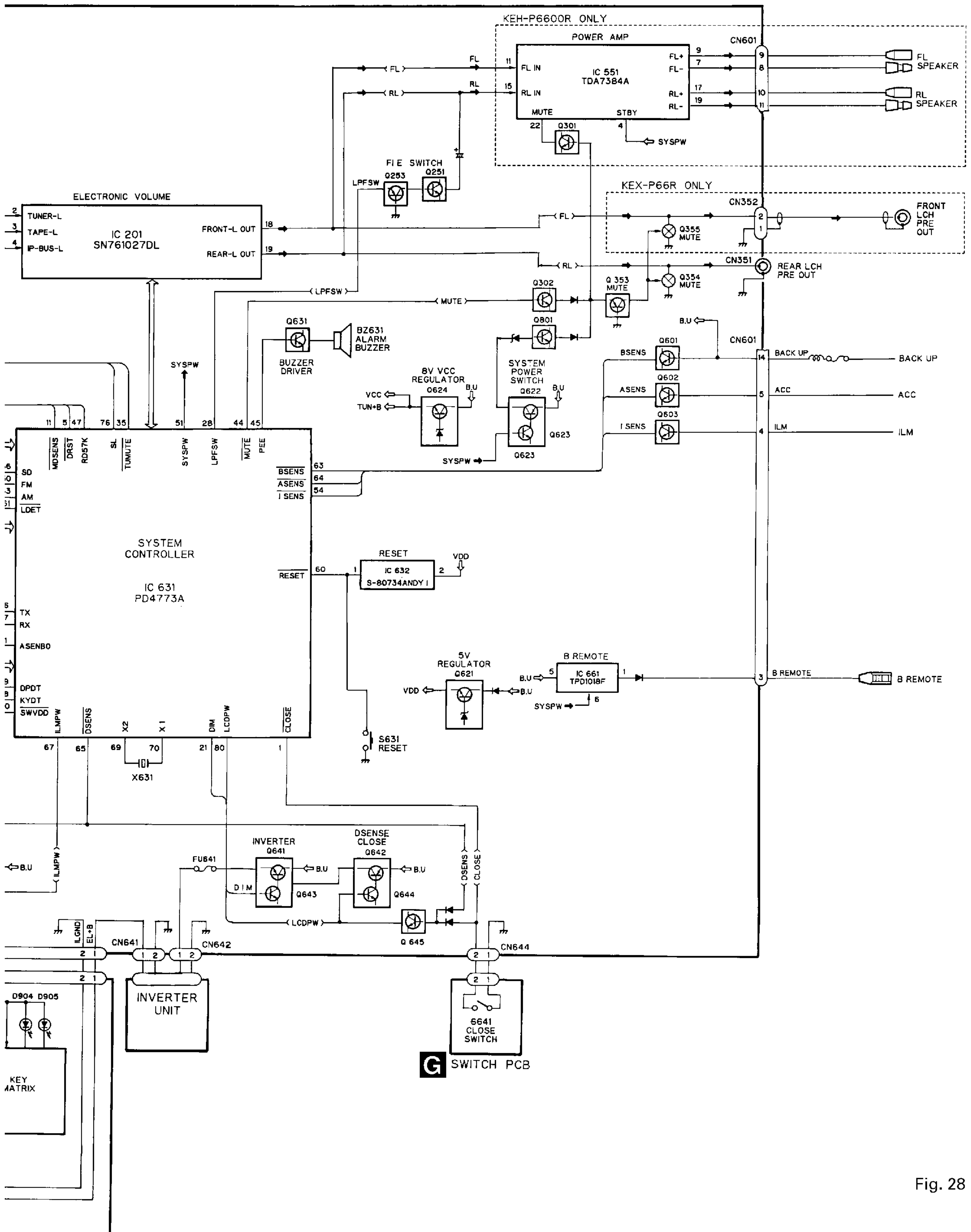


Fig. 28

8. OPERATIONS AND SPECIFICATIONS

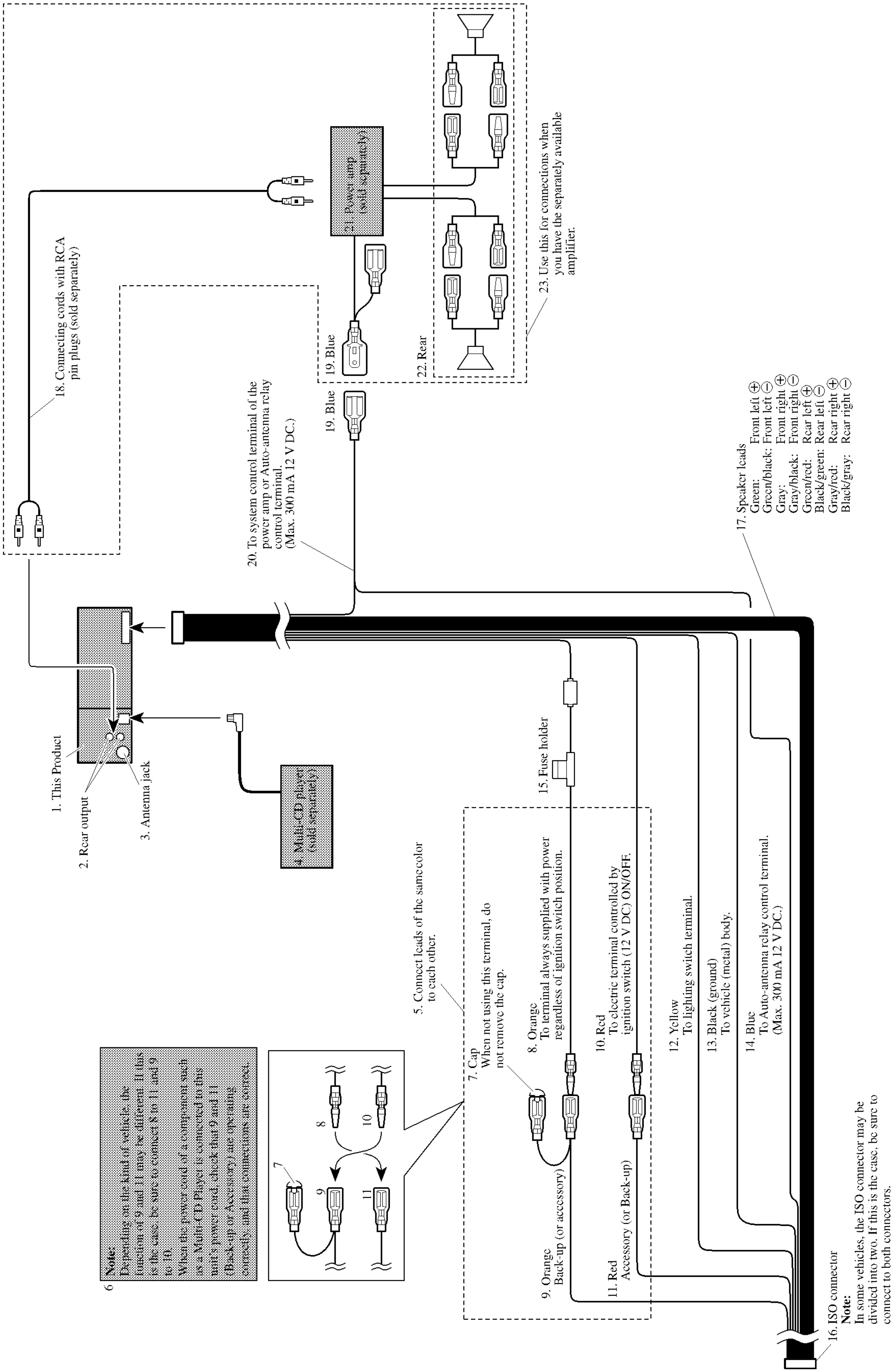
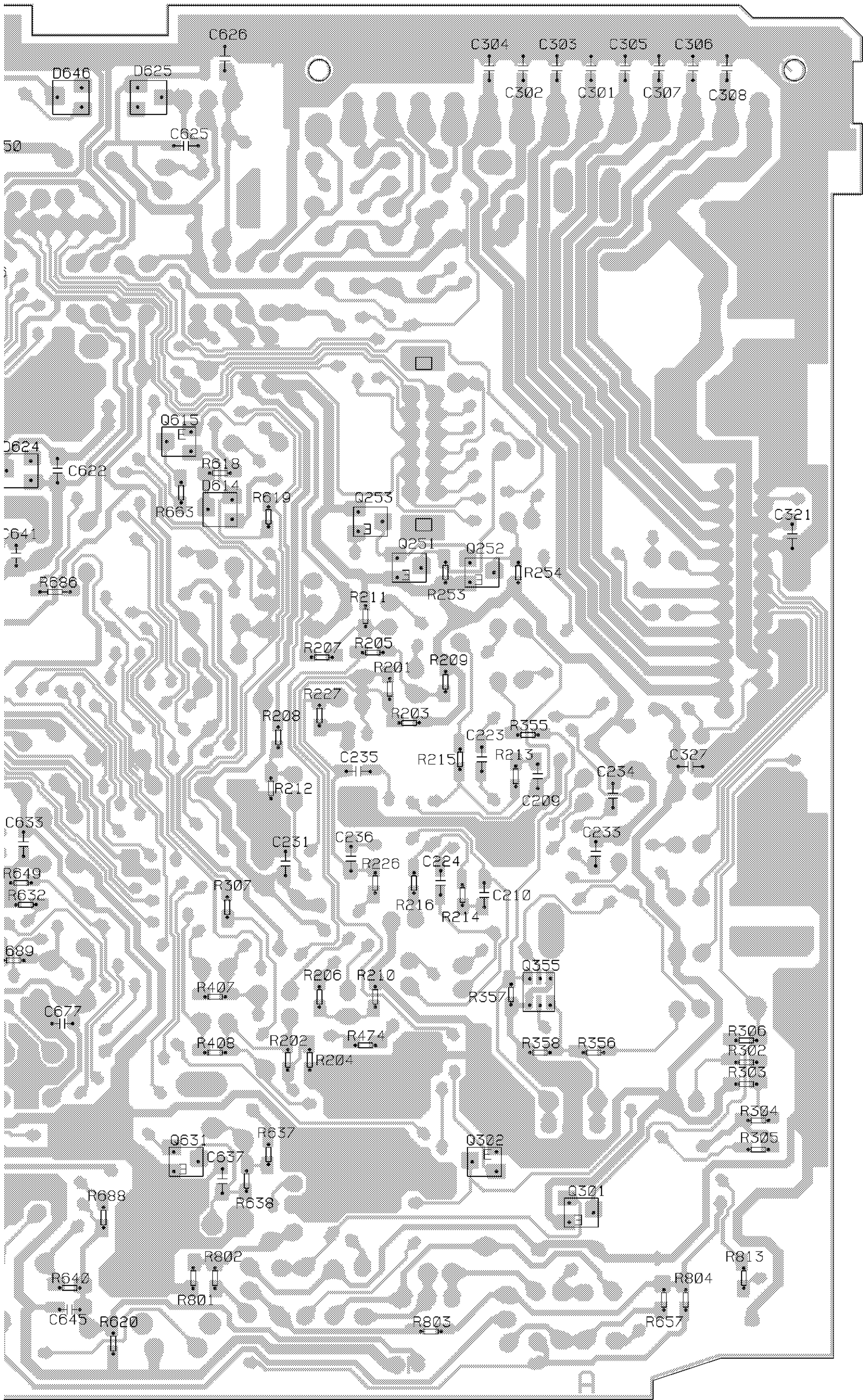


Fig. 29

SIDE B



Q282
Q281 Q642
Q626 Q645

Q354

Q353

Q615

Q253
Q404
Q251 Q252

Q415

Q402 Q355

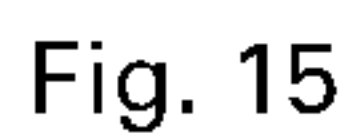
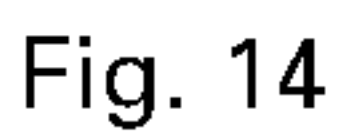
Q648

Q302
Q631

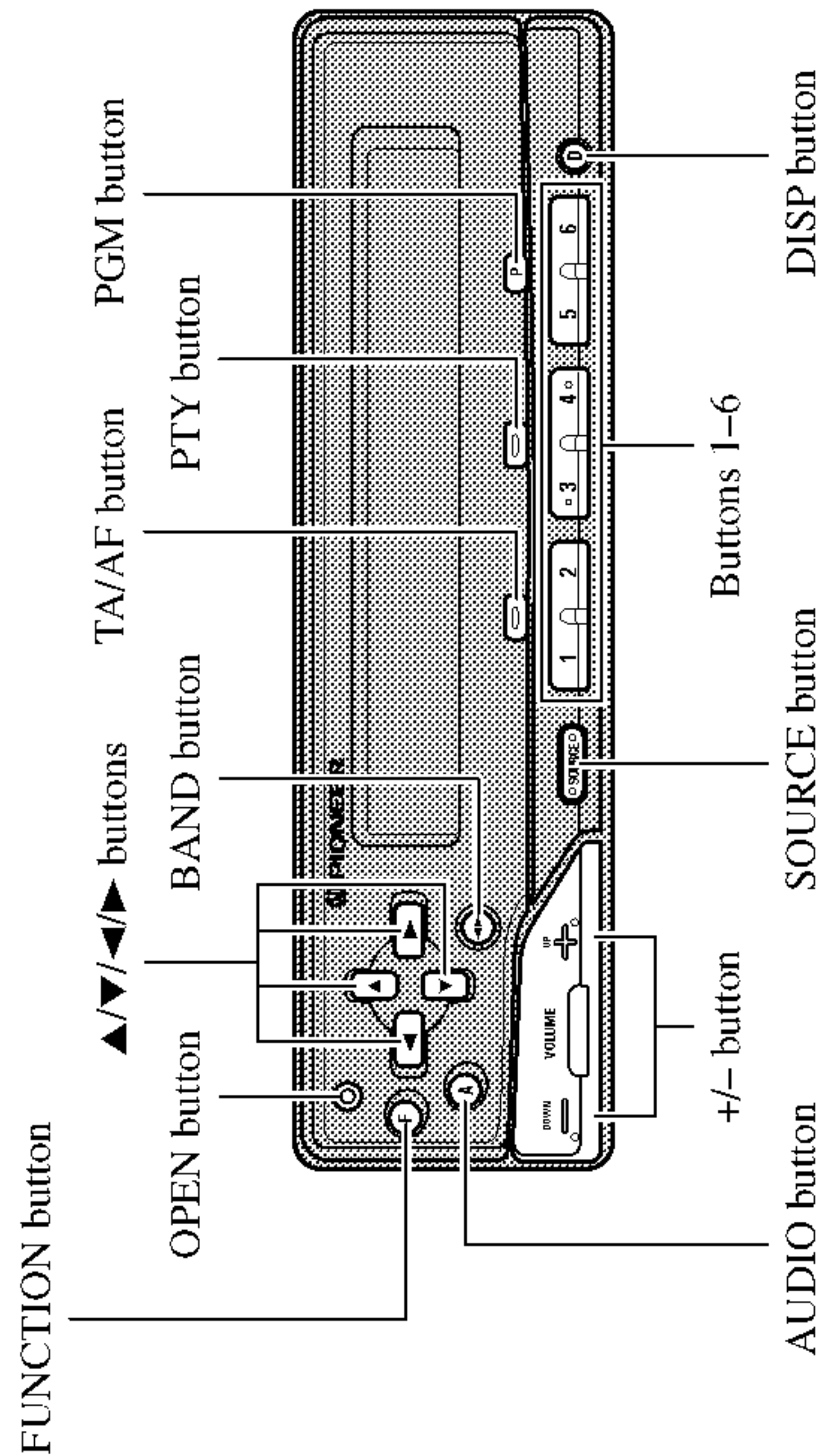
Q301

Fig. 13

D

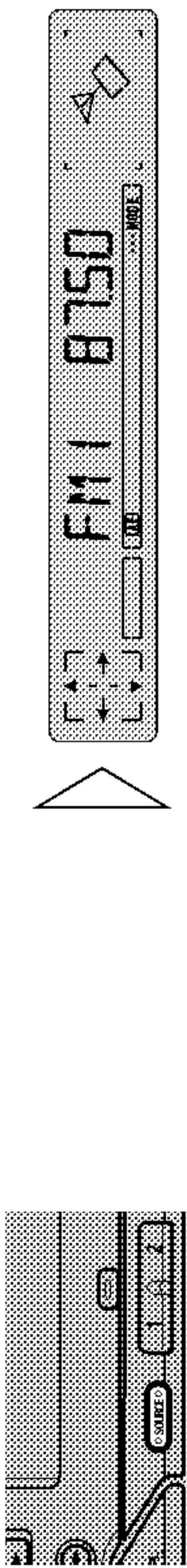


■ Head Unit



Switching Power ON/OFF

- Select the desired source (such as the tuner).



■ Head Unit

Each press of the SOURCE button selects the desired source in the following order:

Tuner → Tape → Multi-CD player → AUX

To switch the sources OFF, hold down the SOURCE button for 1 second or more.

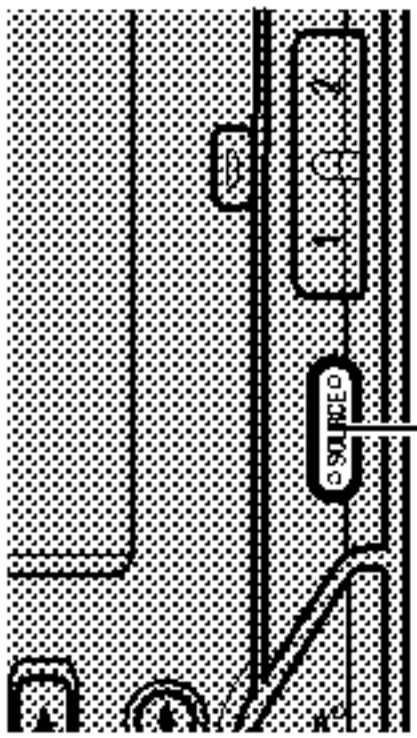
Note:

- In the following cases, the sound source will not change:
 - * No Multi-CD player is connected to this product.
 - * No cassette tape is set in this product.
 - * No magazine is set in the Multi-CD player.
 - * AUX (external input) is set to OFF.

Tuner Operation

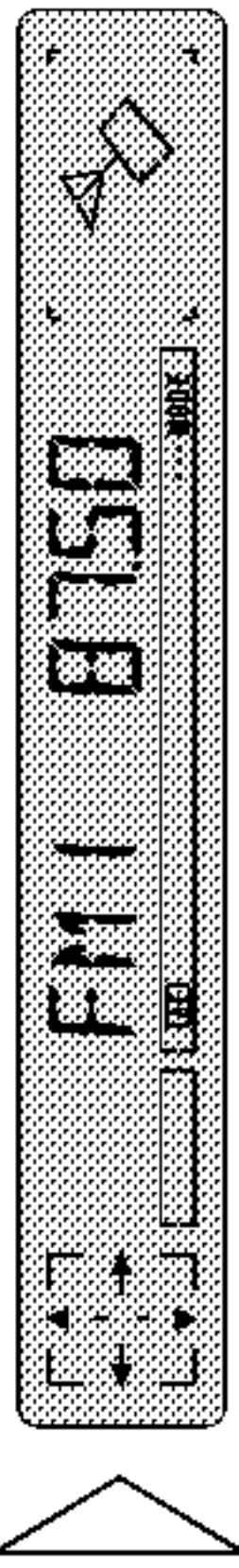
Basic Operation of Tuner

1. Select Tuner.

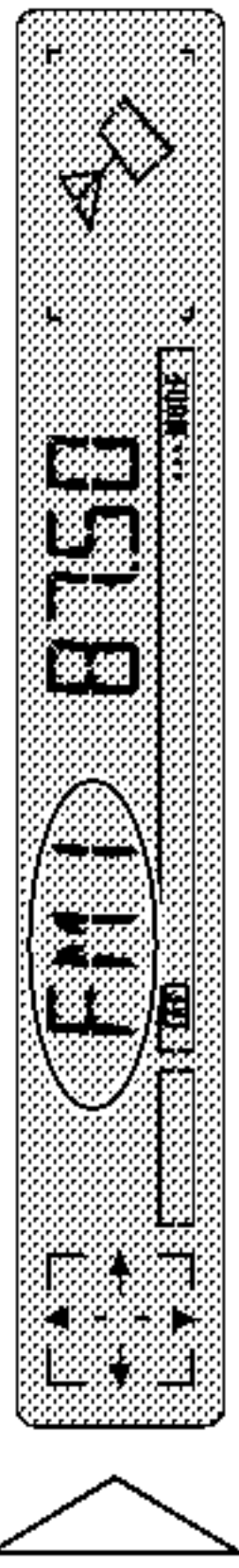
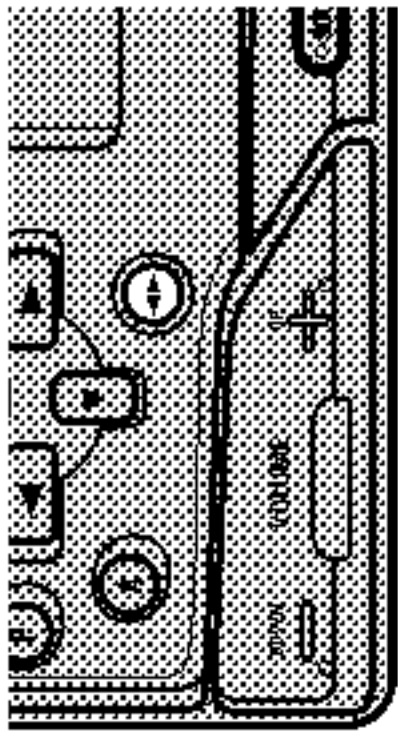


Each press changes the Source ...

The program service name or frequency appears on the display.

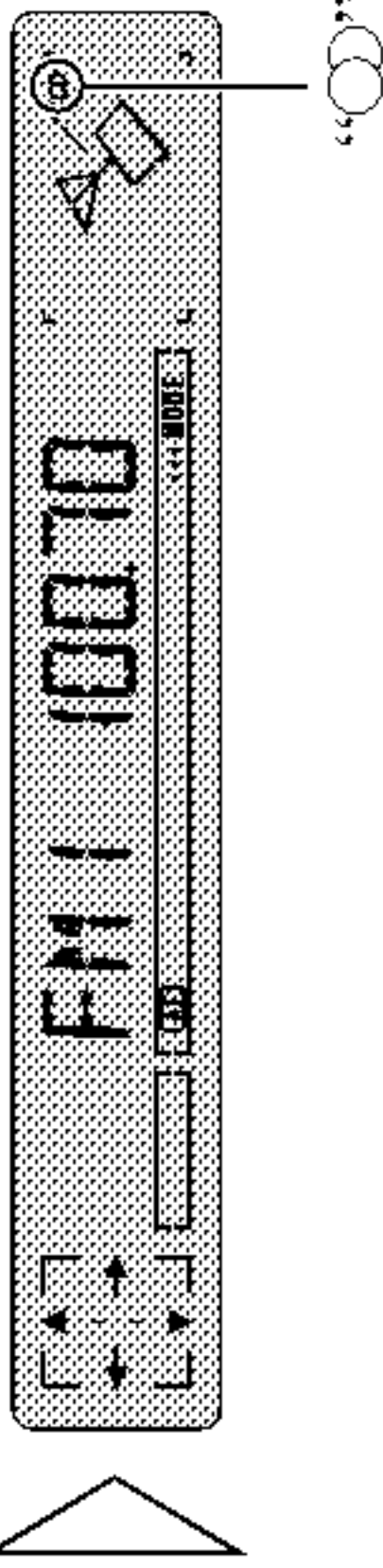
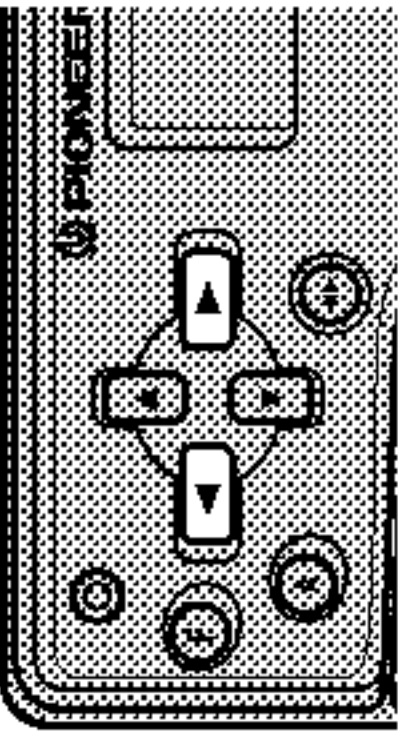


2. Select the desired band.



FM1 → FM2 → FM3 → MW/LW


3. Tune the receiver to a higher or lower frequency.



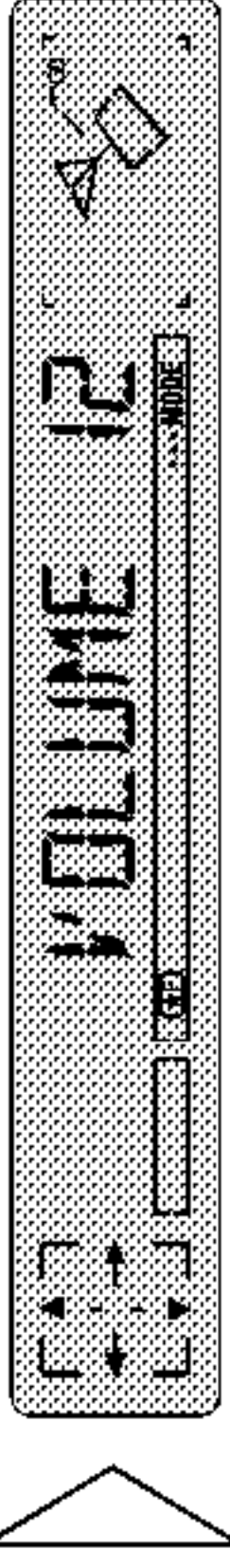
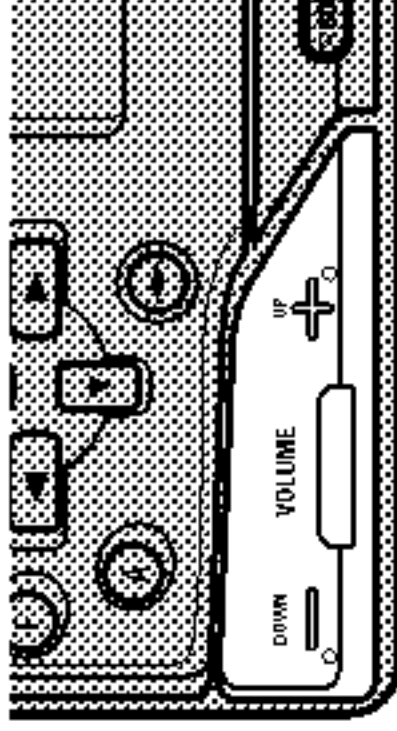
This product's tuner lets you select the tuning by changing the length of the time you press the button.

Manual Tuning (step by step)	0.3 seconds or less
Seek Tuning (automatically)	0.3 – 2 seconds
Manual Tuning (continuously)	2 seconds or more

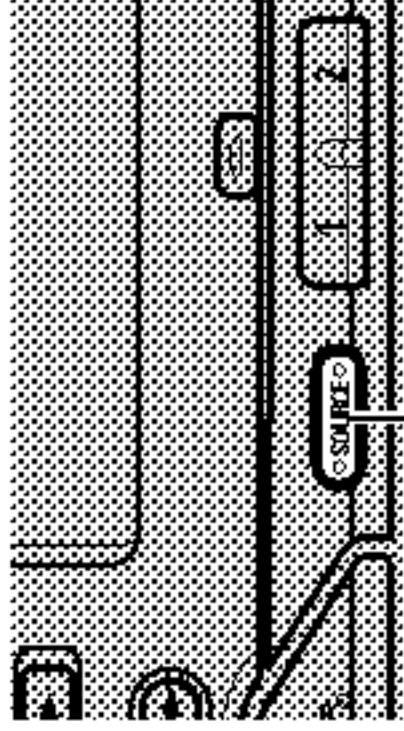
Note:

- “

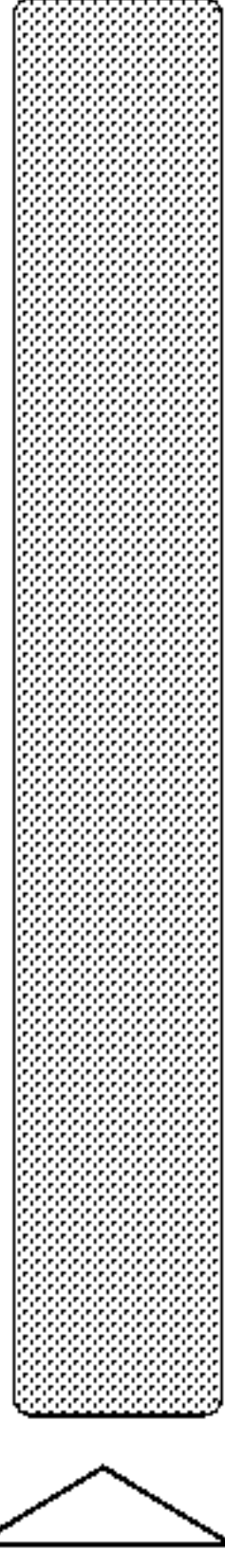
4. Raise or lower the volume.



5. Turn the source OFF.



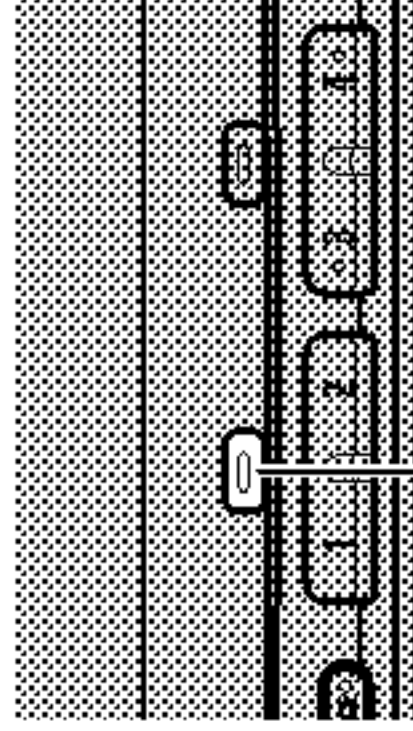
Hold for 1 second



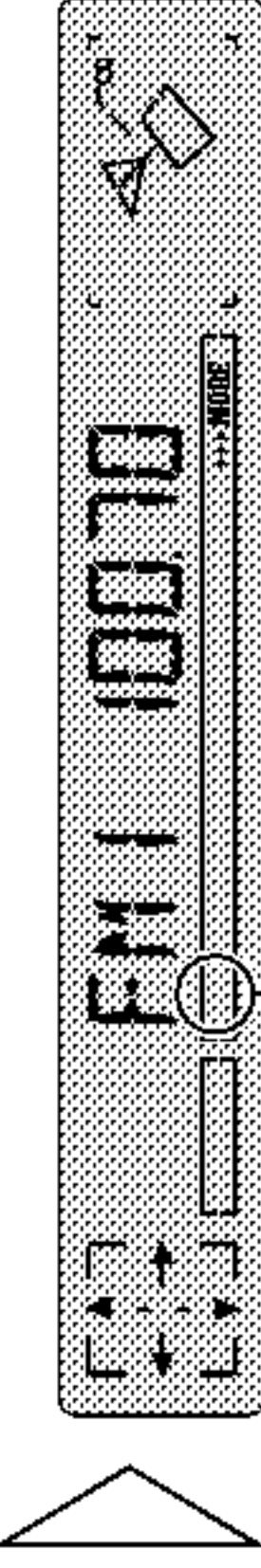
AF Function Switching

This product's AF function can be switched ON and OFF. AF should be switched OFF for normal tuning operations.

- Switch AF OFF.



Hold for 2 seconds



“AF” disappears

To switch AF ON, repeat the preceding operation.

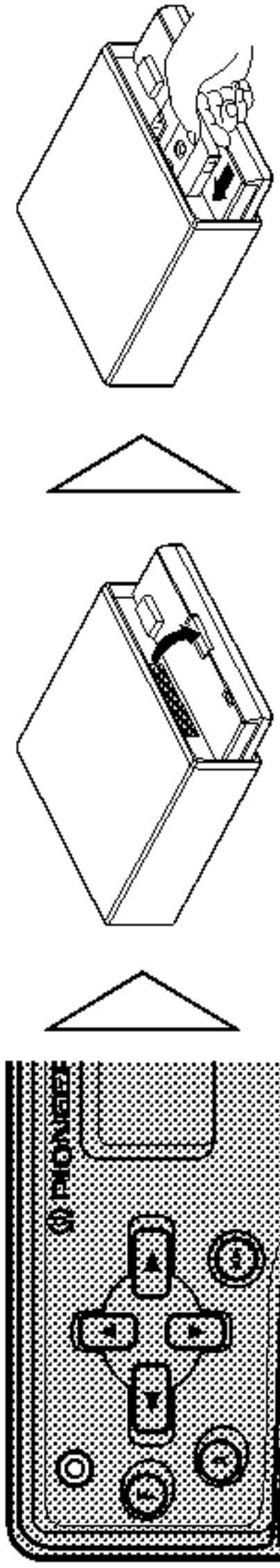
Note:

- You can also switch the AF Function ON/OFF in the Function Menu.

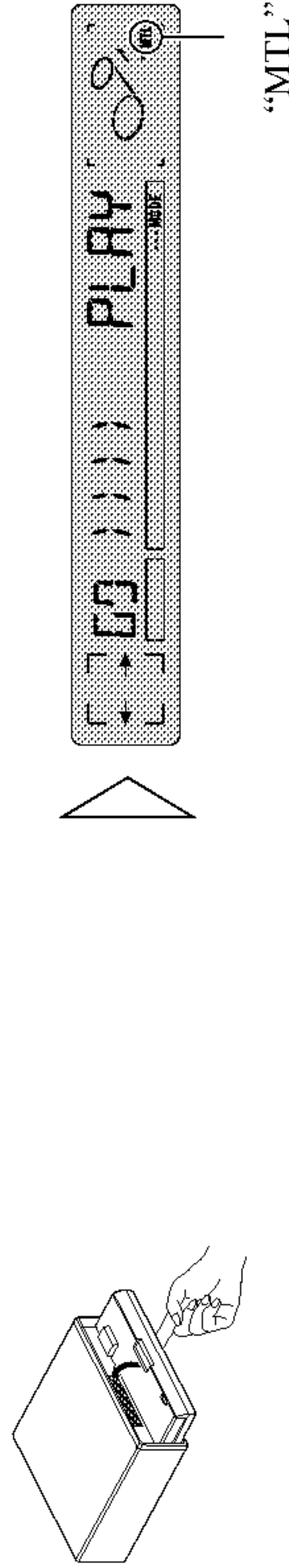
Using the Cassette Player

Basic Operation of Cassette Player

1. Open the front panel and insert the cassette tape.

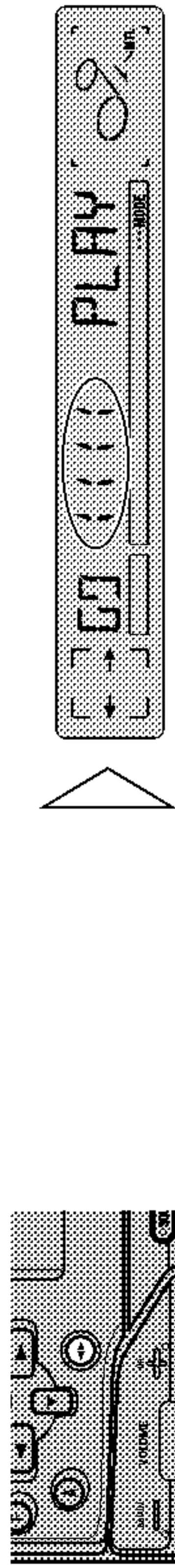


2. Close the front panel by swinging it gently upward.

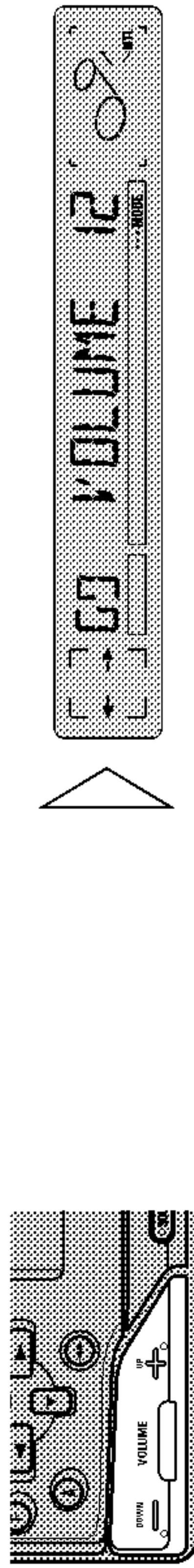


“MTL” appears automatically when a metal or chrome tape is inserted. Nothing is displayed for a normal tape.

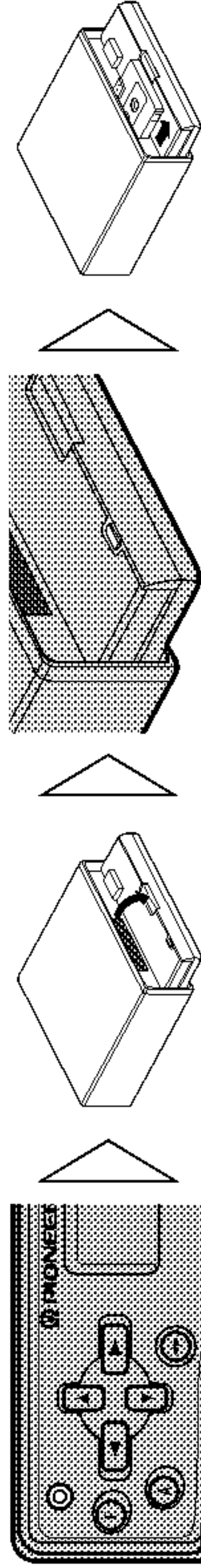
3. Switch tape playback from side A to side B, or vice versa.



4. Raise or lower the volume.



5. Open the front panel and remove the cassette tape.



Be sure to close the front panel after removing the cassette tape.

Note:

- The Tape function can only be turned ON/OFF with the cassette tape remaining in this product. (See page 51.)

Fast Forward/Rewind and Music Search

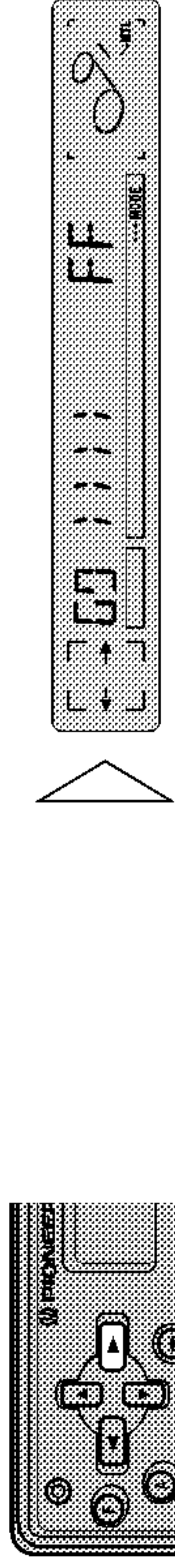
■ Fast Forward and Forward-Music Search

While “FF” is displayed, the system fast-forwards the cassette tape to the end of the current side.

While “F-MS” is displayed, the system winds the cassette tape forward to the beginning of the next song, then play begins from that point.

- **Select the desired mode in the following order:**

FF → F-MS → Normal playback



Note:

- Fast Forward (FF) and Forward-Music Search (F-MS) can be canceled by pressing the BAND button during FF or F-MS operation.

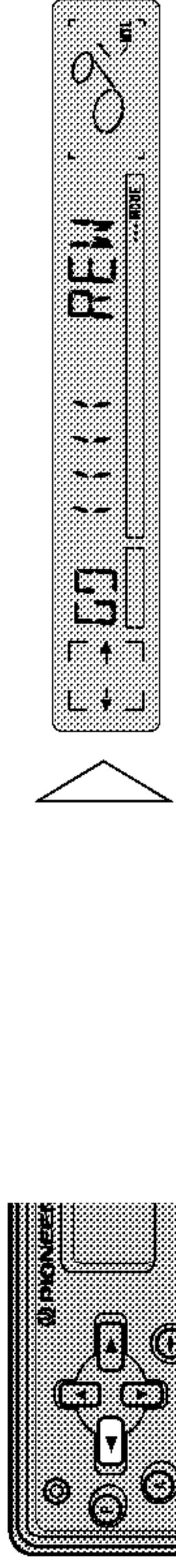
■ Rewind and Rewind-Music Search

While “REW” is displayed, the system rewinds the cassette tape to the beginning of the current side.

While “R-MS” is displayed, the system rewinds the cassette tape to the beginning of the current song, then play begins from that point.

- **Select the desired mode in the following order:**

REW → R-MS → Normal playback



Note:

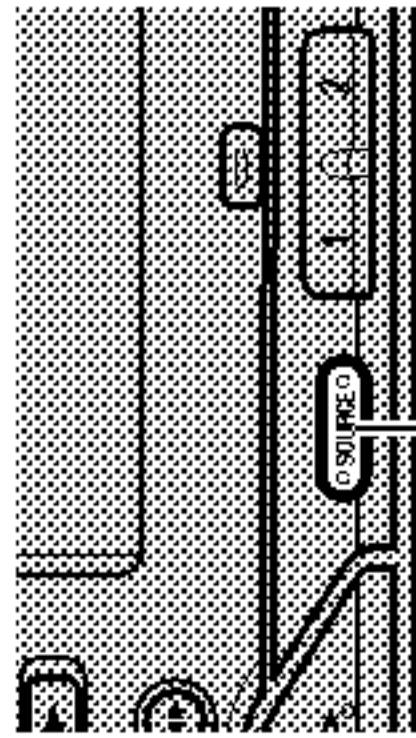
- Rewind (REW) and Rewind-Music Search (R-MS) can be canceled by pressing the BAND button during the REW or R-MS operation.

Using Multi-CD Players

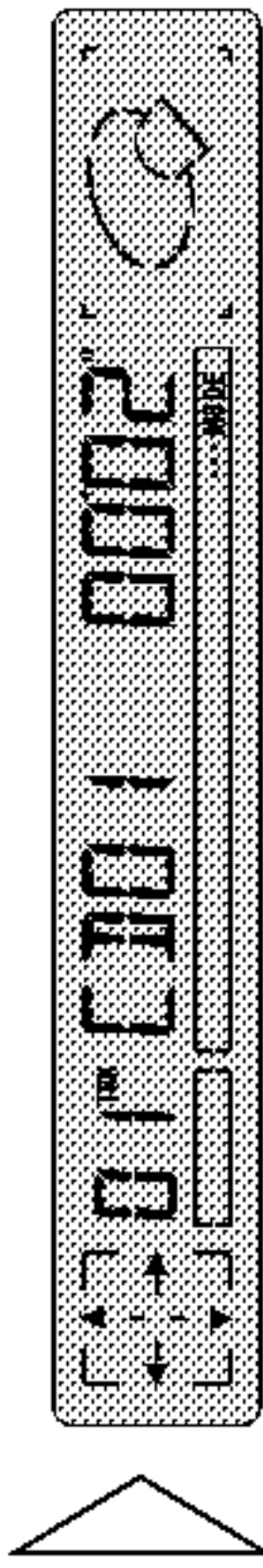
This product can control one or more multi-CD players.

Basic Operation of Multi-CD Players

- 1. Select the multi-CD player source.



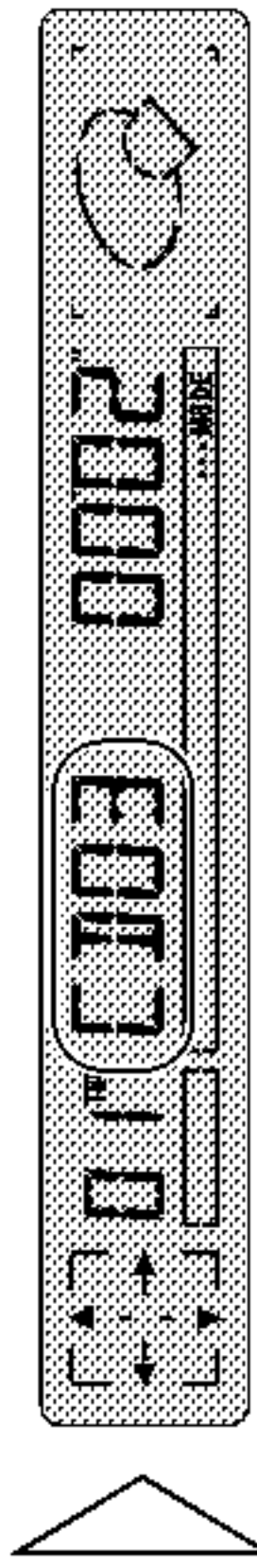
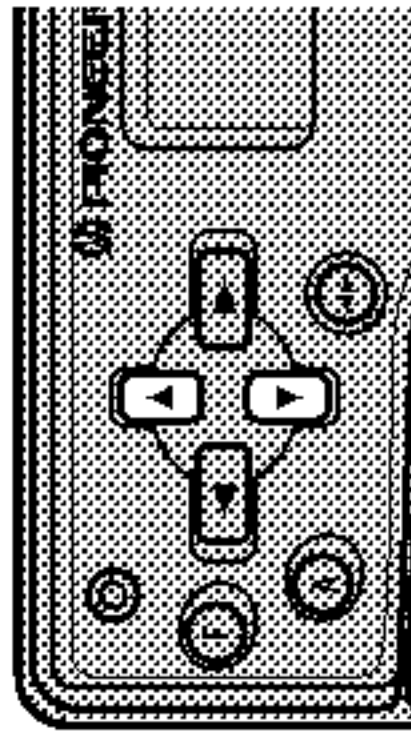
Each press changes the Source ...



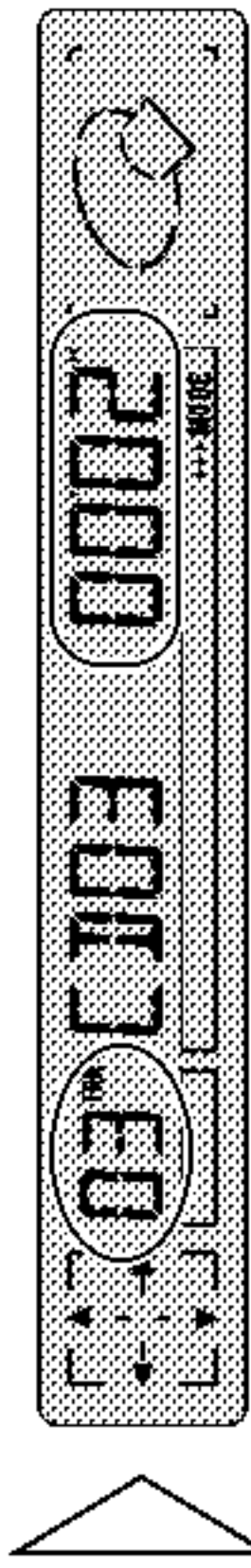
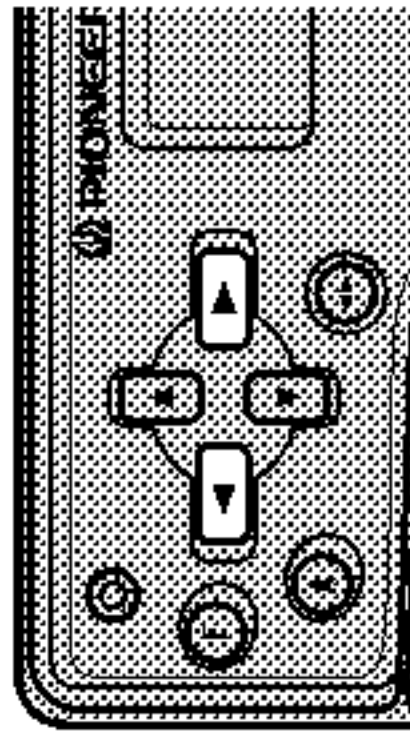
Note:

- The multi-CD player may perform a preparatory operation, such as verifying the presence of a disc or reading disc information, when the power is turned ON or a new disc is selected for playback. "READY" is displayed.
- If the multi-CD player cannot operate properly, an error message such as "ERROR-14" is displayed. Refer to the multi-CD player owner's manual.
- If there are no discs in the multi-CD player magazine, "NO DISC" is displayed.

- 2. Select the desired disc.



- 3. Select the desired track (or fast-forward/reverse, per the chart below).

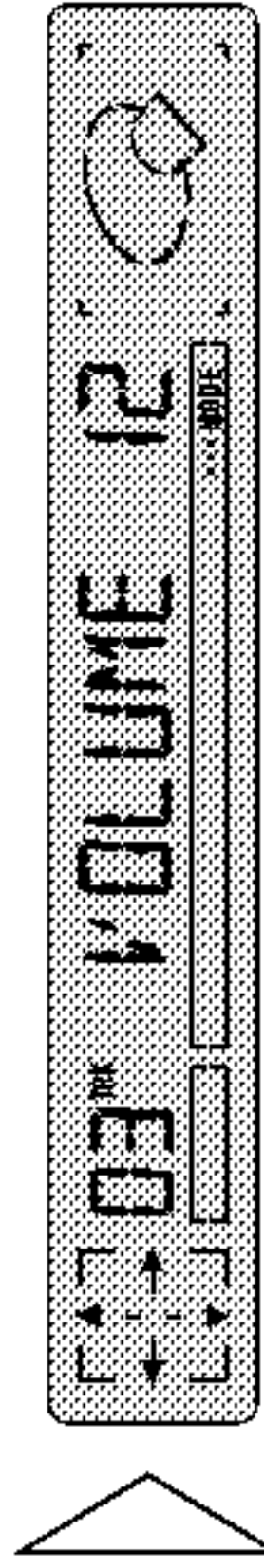
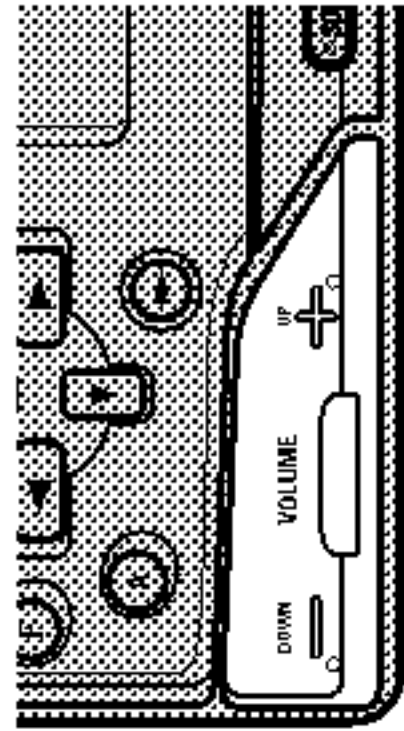


This product lets you select the track search function or fast-forward/reverse function by changing the length of the time you press the button.

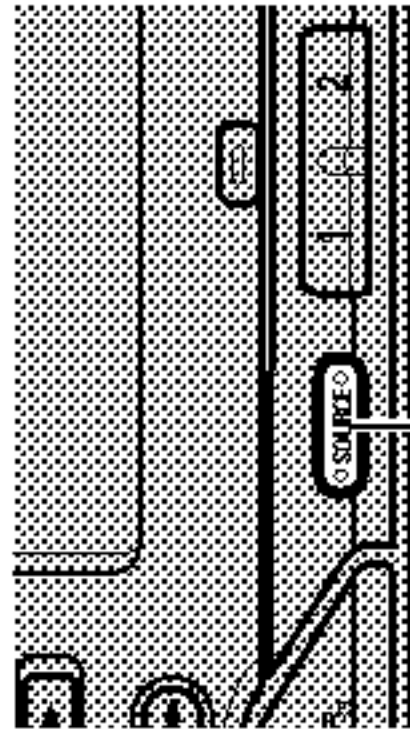
Track search	0.5 seconds or less
Fast-forward/Reverse	Continue pressing

Using Multi-CD Players

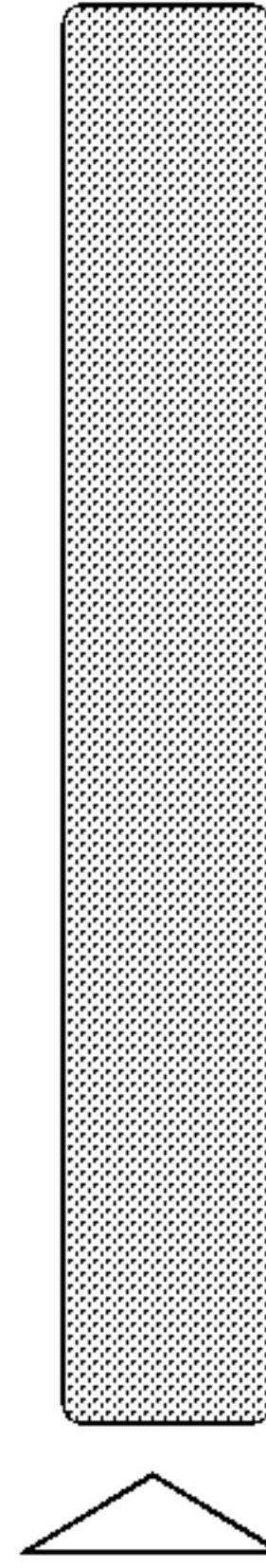
- 4. Raise or lower the volume.



- 5. Turn the source OFF.



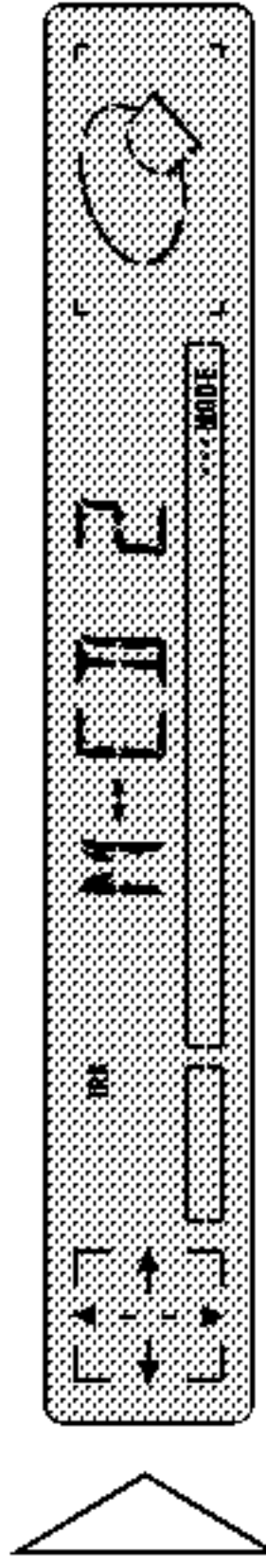
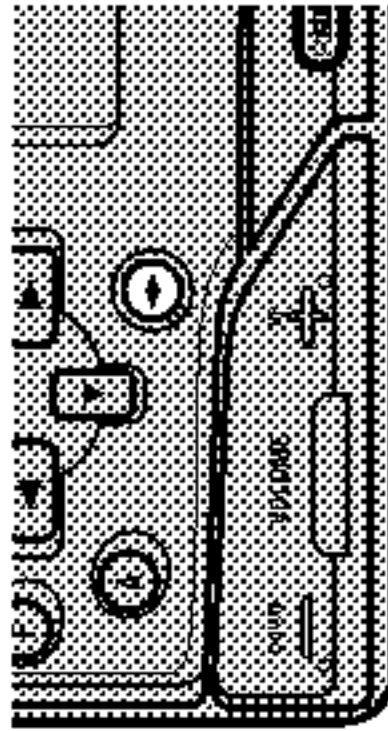
Hold for 1 second



Switching the Multi-CD Player

It is possible to connect up to three multi-CD players by means of a multiple installation adapter. When two or more multi-CD players are installed, their priorities must be specified. Follow the multi-CD player instructions carefully, and set the address switches properly.

- Select the multi-CD player you want to use.



M-CD 1 → M-CD 2 → M-CD 3

Disc Number Search

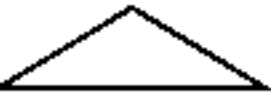
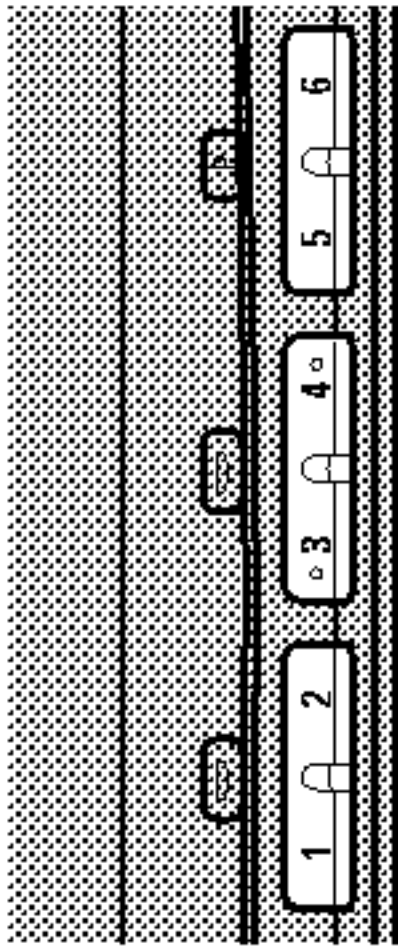
■ Disc Number Search (for 6-Disc, 12-Disc types)

You can select discs directly with the 1 to 6 buttons. Just press the number corresponding to the disc you want to listen to.

Note:

- When a 12-Disc Multi-CD Player is connected and you want to select disc 7 to 12, press the 1 to 6 buttons for 2 seconds or longer.

- Select the desired disc. (eg. Press button 3.)



Specifications

General

Power source	..... 14.4 V DC (10.8 – 15.1 V allowable)
Grounding system	..... Negative type
Max. current consumption	.....
(KEH-P6600R)	..... 8.5 A
(KEX-P66R)	..... 1.0 A
Dimensions	.....
(mounting size)	..... 178 (W) × 50 (H) × 150 (D) mm
(front face)	..... 188 (W) × 58 (H) × 19 (D) mm
Weight	.....
(KEH-P6600R)	..... 1.4 kg
(KEX-P66R)	..... 1.3 kg

Amplifier

(KEH-P6600R)

Maximum power output	..... 35 W × 4
Continuous power output	..... 22 W × 4
	(DIN45324, +B = 14.4 V)
Load impedance	..... 4 Ω (4 – 8 Ω allowable)
Preout output level/output impedance	..... 500 mV/1 kΩ
Tone controls	.....
(Bass)	..... ±12 dB (100 Hz)
(Treble)	..... ±12 dB (10 kHz)
Loudness contour	..... +10 dB (100 Hz), +7 dB (10 kHz)
	(volume: –30 dB)

Amplifier

(KEX-P66R)

Preout output level/output impedance	..... 500 mV/1 kΩ
Tone controls	.....
(Bass)	..... ±12 dB (100 Hz)
(Treble)	..... ±12 dB (10 kHz)
Loudness contour	..... +10 dB (100 Hz), +7 dB (10 kHz)
	(volume: –30 dB)

Cassette player

Tape	..... Compact cassette tape (C-30 – C-90)
Tape speed	..... 4.76 cm/sec. (+0.14 cm/sec. –0.05 cm/sec.)
Fast forward/rewinding time	.. Approx. 100 sec. for C-60
Wow & flutter	..... 0.09% (WRMS)
Frequency response	.....
(KEH-P6600R)	..... Metal: 30 – 19,000 Hz (±3 dB)
(KEX-P66R)	..... Metal: 25 – 19,000 Hz (±3 dB)
Stereo separation	.....
(KEH-P6600R)	..... 45 dB
(KEX-P66R)	..... 50 dB

Signal-to-noise ratio

..... Metal: Dolby B NR IN: 67 dB (IEC-A network)
Dolby NR OUT: 61 dB (IEC-A network)

FM tuner

Frequency range	..... 87.5 – 108 MHz
Usable sensitivity	..... 11 dBf (1.0 μV/75 Ω, mono, S/N: 30 dB)
50 dB quieting sensitivity	..... 16 dBf (1.7 μV/75 Ω, mono)
Signal-to-noise ratio	..... 70 dB (IEC-A network)
Distortion	..... 0.3% (at 65 dBf, 1 kHz, stereo)
Frequency response	..... 30 – 15,000 Hz (±3 dB)
Stereo separation	..... 40 dB (at 65 dBf, 1 kHz)

MW tuner

Frequency range	..... 531 – 1,602 kHz
Usable sensitivity	..... 18 μV (25 dB) (S/N: 20 dB)
Selectivity	..... 50 dB (±9 kHz)

LW tuner

Frequency range	..... 153 – 281 kHz
Usable sensitivity	..... 30 μV (30 dB) (S/N: 20 dB)
Selectivity	..... 50 dB (±9 kHz)

Note:

- Specifications and the design are subject to possible modification without notice due to improvements.